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CHESTER

Society of Natural Science & Literature

(Founded by Charles Kingsley, 1871.)

TWENTY-SIXTH

ANNUAL REPORT

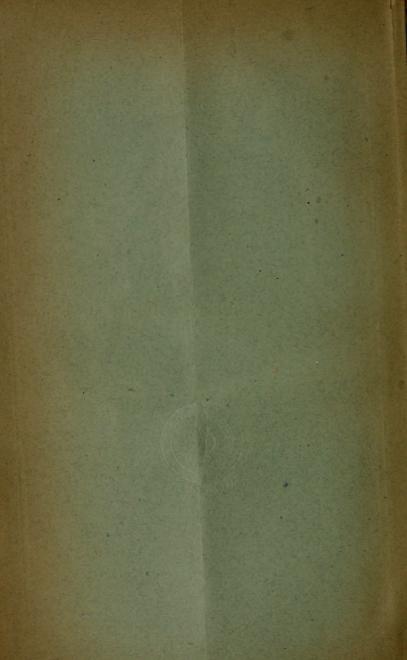
AND

STATEMENT OF ACCOUNTS,

FOR THE YEAR 1896-97.



CHESTER:
PRINTED BY G. R. GRIFFITH, GROSVENOR STREET.



CHESTER SOCIETY

OF

NATURAL SCIENCE AND LITERATURE

(FOUNDED BY CHARLES KINGSLEY, 1871.)



TWENTY-SIXTH

ANNUAL REPORT

AND

STATEMENT OF ACCOUNTS FOR 1896-97,

AND THE

LIST OF MEMBERS FOR 1897-98;

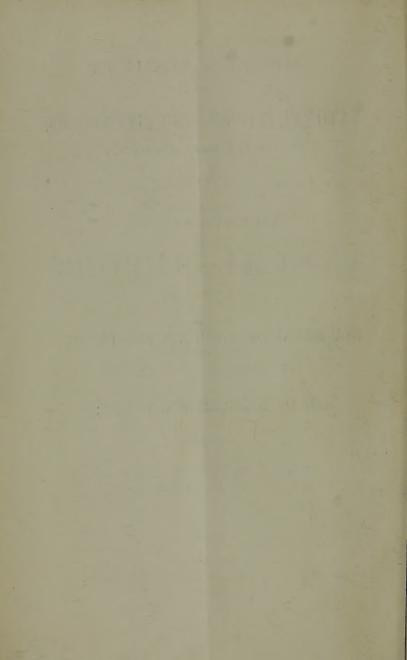
ALSO

A LIST OF THE KINGSLEY MEMORIAL PRIZES OFFERED FOR COMPETITION, &c.

CHESTER:

PRINTED BY G. R. GRIFFITH, "THE CASTLE" PRINTING WORKS.

MDCCCXCVII.



Officers and Committee for 1897=98.

Dresident:

THOS. SHEPHEARD, Esq., F.R.M.S.

Dice=Presidents:

HIS GRACE THE DUKE OF WESTMINSTER, K.G.

PROF. T. McKENNY HUGHES, F.R.S.
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H. STOLTERFOTH, Esq., M.A., M.D., J.P. G. R. GRIFFITH, Esq.

Officers of Sections:

BOTANICAL.

... 19, Eaton Road. ... Oakdene, Tarvin Road. CHAIRMAN -MR. J. D. SIDDALL SECRETARY-MR. A. E. GOODMAN

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... ... Nant-y-Glyn, Colwyn Bay. ... Bridge Street Row. CHAIRMAN —MR. A. O. WALKER, F.L.S. SECRETARY—MR. W. F. J. SHEPHEARD

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... Upton Park, Chester. ... 7, Victoria Pathway, Queen's Park. CHAIRMAN -MR. W. SHONE, F.G.S. ... SECRETARY-MR. A. W. LUCAS, F.G.S. ...

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CHAIRMAN -- DR. STOLTERFOTH SECRETARY-- MR. J. D. SIDDALL I, Grey Friars. ... 19, Eaton Road.

PHOTOGRAPHIC.

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LITERATURE.

.. The Palace, Dee Side. CHAIRMAN -THE RIGHT REV. THE LORD BISHOP ... SECRETARY-REV. A. H. FISH, B.A., B.Sc. Arnold House.

ASTRONOMICAL.

CHAIRMAN -DR. W. M. DOBIE ... SECRETARY-DR. HERBERT DOBIE Northgate House. ... II, St. John Street.

Ibon. Treasurer :

MR. JOHN SIMON, 4, Eastgate Row.

Bon. Secretaries :

Scientific-Dr. STOLTERFOTH, M.A., 1, Grey Friars. MR. G. P. MILN, Milnholme, Brook Lane, MR. W. F. J. SHEPHEARD, Bridge Street Row. General }

Bon. Librarian :

MR. P. H. FLETCHER, Woodbrae, Curzon Park.

Committee :

THE ABOVE OFFICERS (Ex-Officio). AND

MR. E. J. BAILLIE, F.L.S.
MR. J. BAIRSTOW, F.C.S.
MR. E. G. BALLARD, A.R.S.M.
REV. J. L. BEDFORD, M.A., F.L.S.
MR. J. DAY.
MR. J. LYON DENSON.

Bon. Huditors : MR. BERESFORD ADAMS.

DR. W. H. DOBIE.
MR. H. DUCKWORTH, F.L.S., F.G.S.
MR. H. B. DUTTON,
MR. E. HODKINSON.
DR. KING.
MR. F. W. LONGBOTTOM.

MR. C. R. ENOCK.

Curator and Assistant=Librarian: MR. R. NEWSTEAD, F.E.S., The Grosvenor Museum.

> Assistant=Secretary : MR. T. HIGGINSON.

1.—That the Title of this Society be "The Chester Society of Natural Science and Literature," and that its objects be the promotion of the study of Natural Science and Literature by Lectures, Field Meetings, the Reading and Discussion of Papers, and other suitable means.

2.—That the Officers be a President, Eight Vice-Presidents, Treasurer, One Scientific Secretary, Two General Secretaries, a Chairman and Secretary for

each Section (nominated by the Section), and a Librarian.

3. -That the Committee consist of the above-named Officers, and of Twelve

oh.—Inar the Committee consist of the above-named Omeers, and of Twelve other Members of the Society; and that the practical management of the Society be vested in such Committee, subject to the following Rules:—

4.—The name of any Candidate for Membership of the Society, with those of a Proposer and a Seconder, must be sent in writing to the Secretaries or Treasurer for the Committee, and shall be by them submitted for election at the next ensuing General Meeting; and when elected the Candidate shall become a Member upon payment of the Annual Subscription.

5.—That the Subscription be 5/- per annum, payable in advance, and due the 1st of May in each year. Any person duly elected may become a Life

Member upon payment of £5.

6.—That distinguished scientific men, or any persons who may render special service to the Society, may be elected Honorary Members or Corresponding Members, on nomination by the Committee. The number of Honorary Members

may not exceed Thirty.

7.—That each Member shall be allowed to introduce one non resident friend at any of the General Meetings, except at the Annual General Meeting; but a Member may introduce a friend, whether resident in Chester or not, at any of the Sectional Meetings. The Chairman and Secretary of each Section, may, on application, allow a Member to introduce more than one friend to their own Sectional Meetings.

8. - That any Member desirous of withdrawing from the Society, shall give notice (in writing) to either of the General Secretaries, before the end of the financial year. In the absence of such written notice the Member shall be

liable for the current year's Subscription and all arrears.

9. - The names of Members whose Subscriptions are two years in arrear, after a final application has been made by the Secretaries or Treasurer, shall be

crased from the list of Members.

10.—A General Meeting shall have the power of expelling any Member whose conduct they deem objectionable, providing special notice has been given on the Society's Circular convening the Meeting, and that at least two-thirds of the Members present agree thereto.

11. - That the Committee shall meet monthly for the despatch of business.

Five Members shall form a quorum.

12 .- That the Committee shall arrange General Field Meetings during the The place of Meeting shall be fixed by the Committee, and due notice be given by the General Secretaries. In case of bad weather, the Members of the Committee present shall decide whether such Meetings be postponed or not.

13.—That the Committee shall also arrange at least six General Evening Meetings in the year, at which papers shall be read and discussed. No paper shall be read without the previous sanction of the Committee. Objects of scientific interest may be exhibited at these Evening Meetings.

14. -That the Annual General Meeting of the Society shall be held in the month of May. At this Meeting the Officers and Committee of the Society, and two Auditors for the ensuing year, shall be elected. If the number of nominations for any office exceeds the number of vacancies the election shall be by Ballot. The Officers' Reports and Financial Statement, made up to the end of April, and duly audited, shall also be submitted, and read if desired.

15.—Nominations for the Committee and Auditors shall be sent in writing

to either of the General Secretaries at least ten clear days previous to the

Annual General Meeting.

16.—The names of all persons to be submitted to the Annual General Meeting as Officers and Committee, and also all Financial Statements and any proposed alterations of Rules, shall be posted on the Notice Board in the Vestibule of the Museum, at least six clear days previous to the Annual General Meeting, for the information of Members, who shall be apprised of such publication on the Notice convening the Meeting.

17 .- The Committee shall fill any vacancy that may occur before the next

Annual General Meeting.
18.—Any proposed alterations in the above Rules shall be notified to either of the General Secretaries at least ten clear days before the Annual General Meeting, and shall only be adopted if sanctioned by at least two-thirds of the Members present. No alteration in these Rules shall otherwise be made.

ANNUAL REPORT.

THE time has again arrived when your Committee have the pleasure of presenting the Members with a Report of what has taken place during the past year.

The Society has now been in existence for twenty-six years, and this fact alone shows that its vitality is strong.

The number of its Members keeps to a high standard, proving that young life is entering our ranks. We have lost by death and removal about forty Members, but have added to our list the names of 105 new Members.

Our Honorary Members have been augmented by names of European reputation, while we still retain amongst us many of those who were associated with our Society from its commencement.

During the Summer of last year much took place in and about Chester, which proved of great and general interest to our Members. The Home Reading Union made Chester the centre for its Annual Meeting. The British Pharmaceutical Conference, and the Arboricultural Society of Great Britain also met here. The Chester Horticultural Show on the Roodee was well attended; and last, but not least, The British Association Meeting, at Liverpool, proved a great attraction.

All these interests, to a certain degree, prevented our Society from carrying out its usual programme of Summer Excursions, but this was quite compensated for by the fact that our Members had opportunities of joining other Societies, and acquiring extension of experience and knowledge so essential to the vitality of Natural Science in all its branches.

The financial position of our Society will be placed before you by our Treasurer, Mr. Simon.

The Library is in good order, and we have to thank many friends for valuable contributions.

The Museum keeps up its high efficiency and admirable order, thanks to the untiring energy of our Curator. There will be a full report of the gifts and additions made within the last year; for many of these we have to thank our Curator.

The Annual Account of the Kingsley Memorial Fund will be brought before you by Mr. E. J. BAILLIE.

Thanks to the Museum Management Committee the Lecture Theatre has been much improved, both with regard to the arrangement of the seats and the putting up of a new table for the Lecturer. Your Committee trust that the room, as it now stands, offers a convenient place of meeting for all Members.

We must now enter on the arrangements made by the Committee for carrying on the work of the past year. This will be considered under the following heads:—EXCURSIONS, CONVERSAZIONE, LECTURES, and SECTIONAL MEETINGS.

For reasons before stated there were only four Summer Excursions in 1896—

1896.
May 20th......Chester Waterworks.

June 17th Bethesda Slate Quarries and Penrhyn Castle.

July 8th..... Delamere Forest and Meres.

,, 22nd......Sandycroft Engineering Works, and Chemical
Works of Messrs. J. Turner & Co.,
LIMITED.

The Excursion to the Bethesda Slate Quarries was well attended, and proved a most enjoyable day. The arrangements were all well carried out, thanks to Lord Penrhyn's Quarry Manager, E. A. Young, Esq., and Col. The Hon. W. E. Sackville West, Agent to the Estate. Our Members had thus an opportunity of going over some most interesting scenery, as well as visiting Penrhyn Castle and Gardens.

The Committee found it advisable not to have any Excursions in August, owing to so many Members being away from Chester during that month.

In September the British Association met in Liverpool, and made two visits to Chester. On the 19th—on their way to Hawarden; and on the 24th to Eaton. On the latter date we asked the Members of the Association to our Annual Conversazione, which was held somewhat earlier than usual, in order that we might have the pleasure of meeting some of the distinguished visitors who are always present at the British Association Meetings. Amongst them was PROFESSOR T. McKenny Hughes, one of our former Presidents; also Professor De Candolle, from Switzerland, who represents a long line of distinguished Botanists. The Meeting was well attended, and the Kingsley Memorial Medal was presented by the Countess Grosvenor to the REV. A. H. FISH for original work done by him in the district. A grant from the Kingsley Memorial Fund was made to Mr. Alfred Newstead for his collection of Waterbeetles, and other life-histories of various Insects. One of the great attractions of the gathering was a demonstration of the X-Rays of Professor Röntgen, who was elected an Honorary Member of our Society, but, unfortunately for us, he was not able to be present. MR. FISH, however, was an able exponent of the wonderful discovery, and spared neither time nor expense in exhibiting it to perfection. The whole of the Museum was thrown open to the Members, so that not only had they the opportunity of seeing their own collections, but also those of the Archæological Society, the Art Gallery, and the students at work in the Technical Schools. There was a fair display of Photographic work by the Members of the Photographic Section. A collection of cut Herbaceous Flowers made an exquisite show, which delighted the heart of every true lover of Botany. There was also an exhibition of Microscopic objects, and other Scientific Instruments.

The past Winter has been one of unusual activity in the way of Lectures. Not only have there been seven General Meetings with Lectures, but there have been several Special Lectures, and these on very interesting subjects—

THE GENERAL LECTURES.

1896.
Oct. 29th - "The Recent Total Eclipse," by SIR ROBERT BALL, F.R.S.
Nov. 26th-- "A Cruise with a Camera," and "Standing neath the Shadow of
the Moon," by F. W. LONGBOTTOM, Esq., M.B.A A.

1897.

Jan. 6th—"Impressions of South Africa," by GEO. WYNDHAM, Esq., M.P.

Jan. 28th—"Lavoisier and his work," by ED. DAVIES, Esq., F.C.S., F.I.C.

Feb. 25th-"The Constitution and Composition of the Earth's Atmosphere," by the Rev. A. H. Fish, B.A., B.Sc.

Mar. 25th-"Shooting Stars," by the Rev. FATHER A. L. CORTIE, S.J., F.R.A.S.

Apr. 29th—Annual General Meeting—"An Exhibition of the Birds in the Society's Museum, on Lantern Slides," given by Mr. R. Newstead, F.E.S.

SPECIAL MEETINGS.

1896.

Dec. 10th—"Electric Lighting and Power," by Dr. N. S. Keith, M.I.E.E. 1897.

Jan. '6th-"The Air we Breathe' (for our Young People), by Mr. J. A. McMichael, B.A., B.Sc.

Jan. 14th—"From Mont Blanc to the Matterhorn," by W. LAMOND HOWIE, ESQ., F.C.S.

Mar. 9th—"Salmonidee," by MAJOR LEADBETTER, Hon. Secretary of the River Dee Fishery Board.

All these Lectures were well attended, and of especial interest. Most of the Lectures have been illustrated by the Lantern, which is of great use, and brings before the eye of the audience the object described, and thus another sense is called into play; and for great improvement of the slides we have to thank the Photographer.

There have been, during the Winter, two Free Courses of Elementary Lectures—one Course on Geology, the other on Chemistry; these have been under the management of Mr. A. W. Lucas and Mr. J. Bairstow. The Committee consider these Lectures have been very valuable, acting as a stimulus to young people; in many cases rousing them

to a sense of how much there is to learn, and inducing them to turn to books for further information, to say nothing of the advantage of a good grounding before attending the more advanced Lectures given by the different Sections.

The Sections into which the Society is divided have met week by week during the past Winter, and a report of these Meetings will be given by the Secretaries of the different Sections.

Your Committee have met fifteen times during the past year to arrange for the carrying on of the general work of the Society, which has increased numerically to a considerable extent. This, your Committee feel, will necessitate an increase in *their* number, and a motion to this effect will be brought before you, as it is felt that the more the Members can be induced to take an active part in the working of the Society, the more its efficiency will be promoted. The very object for which the Society exists, is to instill a love of Natural Science, and it is hoped that in the coming year good work may be done in tabulating and recording what is perpetually going on around us, which only awaits to be made use of to lead us on to more perfect knowledge.

Your Committee take this opportunity of thanking all those who, by gifts and specimens and records of observation, have enriched the Museum; we must also thank those who, by reading Papers before the Society, have helped to make the past Winter Session a success.

Our thanks are also due to the donors of Books to the Library, and all those who so kindly assisted at the Annual Conversazione.

The Committee again ask the Members for their indulgence as to things done or omitted, feeling that in a large Society there must be some faults both of commission and omission; but if the Members will only take an interest

in the *working* of the Society, this will, in a great measure, cure itself; and the Society, as time goes on, will continue to show itself a strong power amongst us, and justify all the trouble and expense so liberally given, which have so far made its prosperity in past years.

HENRY STOLTERFOTH, M.A., M.D.,

Hon. Scientific Secretary.

APRIL 29th, 1897.

ANNUAL MEETING, APRIL 29TH, 1897.

The Reports and Accounts for the past year were submitted and adopted;

A proposition to increase the number of Elective Members on the Committee, from six to twelve, was adopted;

On the Motion of the retiring President (Dr. Stolterfoth), Seconded by Mr. J. D. Siddall, Mr. Thomas Shepheard, F.R.M.S., was unanimously elected President of the Society for the ensuing year;

MR. SHEPHEARD delivered his Presidential Address;

The following were elected on the Committee for the ensuing year:—
Mr. F. W. Longbottom, Mr. E. J. Baillie, Mr. J. Bairstow, Dr. W.
Henry Dobie, Mr. J. L. Denson, Mr. H. Duckworth, Mr. E. Hodkinson,
Rev. J. L. Bedford, Dr. King, Mr. J. Day, Mr. H. B. Dutton, and
Mr. E. G. Ballard.

Resolved :-

"That the Kingsley Memorial Medal for the present year be awarded "to Dr. W. Hy. Dobie, at the forthcoming Annual Conversazione."

Resolved :-

"That it be a direction to the Committee to take into consideration the "revision of the Rules, and to report any alterations they may "think fit to this Meeting; and that this Meeting be adjourned

" sine die."

A very hearty vote of thanks was accorded to the Honorary Secretaries for their successful conduct of the Society's affairs,

ADJOURNED ANNUAL MEETING, MAY 20TH, 1897.

THE CHAIRMAN read Letters from Mr. G. R. GRIFFITH and Mr. G. P. MILN, resigning their positions as Hon. General Secretaries of the Society, and explained that for personal reasons Mr. GRIFFITH had been unable to see his way to withdraw his resignation.

Resolved :-

"That Mr. Griffith's resignation be received with the deepest regret,
and that the heartiest thanks of the Society be tendered to him

" for his long and invaluable services."

Resolved :-

"That MR. GRIFFITH be elected a Vice-President of the Society."

THE CHAIRMAN notified that Mr. MILN had kindly consented to withdraw his resignation, and it was

Resolved :-

"That Mr. W. F. J. SHEPHEARD be appointed Co-Secretary with "Mr. MILN; and that Mr. T. HIGGINSON be appointed

" Assistant-Secretary."

The Revised Rules drawn up by the Committee were formally adopted, with slight alterations (see page 4.)

A warm vote of thanks was awarded Mr. MILN for his past services to the Society, and for his kindness in withdrawing his resignation.

CURATOR'S REPORT.

The work of the past year has been of a somewhat varied character as no effort has been made in the collection or preparation of any special branch or department of the Museum. A quantity of material has, however, been acquired, which will, in the course of another year, make very attractive exhibits. In collecting expeditions to Arenig, Cefn, and elsewhere, your Curator was successful in obtaining valuable material, and in soliciting aid from persons more or less interested in Natural History.

We tender our sincere thanks to Messrs. R. J. Smith (Aldford) and Jno. Roberts (Bala) for the interest taken in the work of the Museum, both by the collecting of specimens, and soliciting of help from others. Messrs. Chas. Oldham and T. A. Coward (two of our Corresponding Members), are constantly making valuable additions to the Vertebrata, &c. Messrs. J. Arkle and Geo. O. Day have added considerably to the Lepidoptera, both in additional species and in the renewal of old series. Mr. Alfred Newstead has done good work in the Coleoptera and other branches of Zoology; his Kingsley Memorial Collection of Coleoptera has been added to the permanent collection. The work of your Curator has so frequently been brought before

the Members of the Society, in the form of illustrated lectures, that it is needless to repeat it in this Report.

Collections, illustrating Geology and Zoology, have been loaned to several Institutions for lecturing purposes; and we now have in progress the formation of a collection of Geological specimens, which will also be loaned to the various schools in the City for educational purposes.

MR. A. O. WALKER'S valued loan of Reference Works still remains with us: and for which we tender our sincere thanks. Our President (Dr. Stolterfoth) and Dr. W. H. Dobie have also lent books of reference for the identity of various orders of Zoology.

ABSTRACT OF T	nr R	EPORT.			Species Presented.	Total of Species.	Total of Specimens
Botany					100	100	100
Hydrozoa					3	3	16
Crustacea (Shrimps, &c.)					14	14	51
Aracnida (Spiders)					Y I	í	ı
Orthoptera (Cockroaches)					2	2	13
Thysanura (Bristle-tails,		Moths.	&c.)		3	3	23
Homoptera (Scale Insects,	&c.) '			3	3	10
Lepidoptera (Moths and E					102	102	330
Coleoptera (Beetles) .		,			67	67	192
Neuroptera (Dragon Flies					. 2	2	2
Diptera (Two-winged Flie		,			9	9	15
Hymenoptera (Bees and V		s. &c.)			20	20	51
Polyzoa		.,			T	1	1 1
Mollusca (Shells, &c.)		• •	• •		9	9	20
Pisces (Fish)			• •		6 1	6	1 12
Amphibia (Newts)		• •	• •	• •	7	ī	5
Aves (Birds)	• •	• •	• •		15	45	52
Nest and Fags	• •	• •	• •	• •	45 18	18	44
Mammalia	• •	• •	• •	• •	10	Io	12
Geology						32	64
Miscellaneous		* *	• •		32	32	8
		* *		• •			0
TOTAL		• •			448	448	1,022

LIST OF DONORS AND ADDITIONS.

	Al	IPHI	BIA	(New	rts, &	¿c.)	C:		
Mr. Charles Old	ham	••					Species.	Specin	5
	AF	RAGN	IDA	(Spid	ers,	&c.)			
Mr. Durrant			• •				I	_	I

	AV	ES (B	irds,	&c.)				
Mr. Birch						Species.	Spe	cimens.
Mr. Bonnalie	••	••	• •	• •	••	1		I
Mr. E. Comber		•	• •	••	••	19		20
Colonel B. G. Davies-C		• • •	••	• •	••	19		1 I
Mr. T. A. Coward	0040	••	••	• • •	••	2		2
Dr. W. H. Dobie			••	•••	• •	ı	_	ĭ
Mr. Edwards						1		ī
Mr. Councillor Jones				•••		I	_	1
Mr. Large	•	•		•••	• • •	ī		1
Curator R. Newstead				•••	•••	3	_	3
Messrs. R. Newstead (j								I
Mr. Charles Oldham						I	_	4
Mr. Roberts						2	_	4
Mr. H. E. Sharp						τ		ī
Mr. R. J. Smith						8 .		9
His Grace The Duke of						ī		1
					•			
		BOTA	INY.					
Mr. Cyril Punch	• •	• •	• •	• •	• •	100	_	100
CO	LEO	PTER	A (B	eetle:	s.)			
Mr. F. R. Bolland						2		20
Mrs. Carstairs Jones		••			,	ī	_	1
Mr. Charles E. Mann					••	2		11
Curator R. Newstead					• • •	4		IO
Mr. Charles Oldham						11		14
Mr. T. Walmsley Price						I		1
Dr. Russell	••					2		5
Mr. W. F. J. Shepheard				••		I		1
Mr. R. J. Smith					• •	3	_	3
Mr. B. Tomlin				\		I	_	5
Mr. A. O. Walker						16	_	20
CRII		CEA (&c.)			
Mr. F. R. Bolland	5441					8		
Mr. J. D. Siddall	••	••	••	• •	••		_	21
Mr. A. O. Walker.	••	• •	••	••	• •	, I ,	_	20
Dr. White	••	••	••	• •	• •	3		7
Di. Wille	••	••	** .	• •	• •	2	_	3
DIPTE	ERA	(Two	-wing	ged I	Tlies.)		
Mr. Johnson Dickson		• •		• •		I	_	1
Mr. Johnson		• •		• •	• •	I		1 .
Curator R. Newstead		* *				1	- _,	3
Mr. A. Newstead	• •					I	_	2
Mr. Charles Oldham	• •					. I	—	3
Dr. Russell		• •				I	—	I
Mr. A. O. Walker	••					2	—	3
Dr. White				• •	• •	I		1

	G	EOL	OGY.					
Mr. F. F. Brown						Species.		ecimens
Mr. Bycott	••	••	••	••	••	1		1
Col. B. G. Davies Cooke		••		••	••	3 2		9
Mr. T. B. Ffoulkes		**	••	••	• •	20	_	40
Sergeant E. Myddleton						1		1
Curator R. Newstead						ī		5
Mr. R. Parker						1	_	1
Miss Parsons						I	_	1
Mr. S. Youd	• •	• •	* *	••	• •	2		4
номор	TER	A (Sc	ale Ir	asects	, &	c.)		
Mr. E. J. Baillie						1	_	1
Mr. N. F. Barnes				••		I	_	3
Mr. A. T. Gillanders	••	• •		• •		1	_	6
	H	DRO	ZOA.					
Mr. F. R. Bolland	••	••	••	••	• •	3	_	16
HYMENC	PTE	RA (Bees,	Was	ps,	&c.)		
Mr. E. J. Baillie						I	_	I
Mr. Jeffrey						3	_	16
Mr. Johnson	• •					I	-	2
Mr. A. Newstead	• •	• •	• •	• •	• •	I	_	1
Curator R. Newstead	• •		• •	• •	• •	,I		I
Mr. Chas. Oldham	• •		• •		• •	3	_	7
Mr. R. J. Smith	• •	• •	**	* *	• •	3	-	3
Mr. A. O. Walker	• •	• •	• •	* *	• •	5	-	8
Dr. White	••	••	• •	• •	••	2	_	12
LEPIDOPT	ERA	(Mot	hs an	d Bu	tter	flies.)		
Mr. J. Arkle			• •		• •	48	_	175
Mr. G. O. Day	• •	• •	• •		• •	24		78
Mr. F. T. Farrimond	••	• •	• •	**	• •	I	-	I
Mr. Gardner	• •		• •	• •	• •	I	_	6
Miss Massey	• •	• •	• •	• •	• •	I		I
R. Newstead (junr.)		• •	• •	• •	• •	I	-	1
Curator R. Newstead	• •	• •	• •			I		1
Mr. Chas. Oldham	• •	• •	• •	* *	• •	6	_	34
Mr. Prince	• •	• •	• •	• •	• •	2	-	12
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Curator R. Newstead	•	• •	• •	• •	I	_	1
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Mr. Francis Nicholson	••	• •	••	• •	I	_	2
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Curator R. Newstead					I		12
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Mr. F. R. Bolland	`				6	_	12
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Mrs. Payne	••	• •	••	• •	I	• •	1
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Dr. Stolterfoth							6
Mr. G. Watmough Webster		• •		• •		• •	1
THYSAN	URA (Bris	tle-tail	s.)			
Miss Lloyd					I		20
Dr. White	• •	• •	••	••	2		5 ·

ROBT. NEWSTEAD, F.E.S.,

Curator.

APRIL 29th, 1897.

SECTIONAL REPORTS.

BOTANICAL.

A PAPER entitled "The Natural History of the principal Food Plants," was given by the Chairman of the Section (Mr. J. D. Siddall), on February 11th.

A. E. GOODMAN,

APRIL 29th, 1897.

Secretary.

ZOOLOGICAL.

Two Meetings of the Section were held on the following dates:—

1897.

Mar. 11th—"Notes and Observations on the Fauna of the District," by the following Members of the Society:—Mr. Alfred O. Walker, F.L.S., on Crustacea, &c.; Dr. W. H. Doble, on Birds; Mr. J. Arkle, on Lepidoptera; The Curator (Mr. R. Newstead), on Animal Life in the Tremeirchion and Cefn Caves, &c.

MR. WALKER read a communication from Dr. Russell relating to the Zoology of the Colwyn Bay District; and also communicated many records of Marine Zoology, &c., principally from the same neighbourhood.

DR. HENRY DOBIE exhibited a small collection of Albino Birds, which he described; and also gave dates of the arrival of Spring Migrants. DR. Dobie also recorded the occurrence of a Cornerake, near the Estuary of the Dee, on December 23rd, 1896 [vide Zoologist, February, 1897, p. 86], and exhibited the specimen, which is now in the Museum Collection.

MR. ARKLE contributed notes on the re-occurrence of *Deilephila galii*, *Schiff*, in 1886; and the unusual abundance of *Timandra amataria*, *Lin*. in 1897.

The Curator concluded the Meeting by describing the habits and structural characters of the Lesser Horse-shoe Bat (*Rhinolphus hipposideros*, *Bech.*), and made observations on the Raven as observed under domestication. His remarks were illustrated by a series of Photographic Slides taken from life, which were his own preparations.

1897.

April 8th—"Notes on the Fauna of Puffin Island," by the Curator (Mr. R. Newstead); at which were given a description of the Birds and Insects found upon the Island during a visit in 1896. The Lecture was illustrated by a collection of all the species taken; including a species of Scale Insect (Dactylopius radicum, Newstead); new to Science.

W. F. J. SHEPHEARD,

APRIL 29th, 1897.

Secretary.

GEOLOGICAL.

During the past Session a Second Course of Free Popular Lectures on Geology has been given on alternate Thursday Evenings. The subjects of these Lectures are as follows:—

- "The Crust of the Earth; its Character and Contents."
- "Movements of the Earth's Crust, and their effects."
- "How the Earth's Surface has continually altered."
- "The Rocks of Cheshire and North Wales, and their utility."
- "The Great Ice Age and its Local Effects."
- "Some account of the earliest Human and Animal Inhabitants of our Country."

The Lectures were illustrated by Maps, Diagrams, Specimens, and Lantern Slides, many of which were specially prepared.

The Lecture on the Great Ice Age was given by MR. H. MORPHY, and the others by the Secretary of the Section.

All were well attended; but the last two evoked very great interest, especially that portion of the story of the Great Ice Age relating to this immediate neighbourhood; and the account of the Pre-Historic Lake Village and its remains, which have been recently discovered at Glastonbury, and of which several photographs were exhibited.

ALFRED W. LUCAS,

APRIL 29th, 1897.

Secretary.

NATURAL PHILOSOPHY.

DURING the last Session a Course of Six Popular Lectures has been given in place of the ordinary Sectional Meetings.

These Lectures were as follows:-

- "Electric Lighting and Power "-DR. KEITH.
- "Some Modern Applications of Chemistry to Medicine"—Dr. SCHIDROWITZ.
- "Ancient Chemistry, Alchemy, and the Alchemists"—Mr. J. BAIRSTOW, F.C.S.
- "Popular Beverages"-MR. J. WELSH, M.P.S.
- "Food: Its Analysis and Adulteration"-THE SECRETARY.
- "Coal: What we get from it "-Mr. J. BAIRSTOW, F.C.S.

The Lectures were all well illustrated with experiments, and were very fairly attended; it is intended to continue them next Winter, if the Committee thinks fit.

Special thanks are due to Mr. BAIRSTOW, both for his own Lectures, and for the trouble he has taken in inducing others to Lecture.

W. F. LOWE,

APRIL 29th, 1897.

Secretary.

PHOTOGRAPHIC.

It has only been possible to hold three Meetings during the Session 1896-7. They have been well attended and of considerable interest.

1897. Jan. 12—Exhibition of Lantern Slides by Members of the Section.

Feb. 26—Exhibition of "The Amateur Photographer" Prize Lantern Slides, 1896.

April 22—Annual Meeting of Members. Lecture—"Pictorial Photography," by Mr. A. Horsley Hinton, Editor of "The Amateur Photographer."

CASH STATEMENT.

	PAYMENTS. & s.	d.
RECEIPTS. $£$ s. d. Balance from 1895 0 10 $8\frac{1}{2}$	Postages 0 1 Booking Fees (Prize	
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<u></u> £1 5 8½	£1 5	81
	J. H. SPENCER,	-

APRIL 29th, 1897.

Secretary.

LITERATURE.

ON November 12th, 1896, a Paper was read by the REV. F. S. M. BENNETT, M.A., on "English Controversial Pamphlets of the Seventeenth Century." The Paper was of a very interesting character, and there was a fair attendance. There has been no other meeting of the Section.

ARTHUR H. FISH,

APRIL 29th, 1897.

Secretary.

ASTRONOMICAL.

During the past Session the Members of the Astronomical Section have been as fully engaged upon observational work as the almost continuously cloudy weather has permitted.

Under the generally adverse conditions which have prevailed, there has been but little to discuss at Meetings.

SIR ROBERT BALL lectured to a crowded audience, on the Recent Eclipse Expedition, at the opening of the Session; and at the following General Meeting of the Society MR. LONGBOTTOM continued this interesting subject.

On February 22nd a Worker's Meeting was held, at which reports of the work undertaken by the Section during the Winter were received and discussed.

HERBERT DOBIE, M.D.,

APRIL 29th, 1897.

Secretary.

PAXTON SOCIETY.

DURING the past year the usual Course of Saturday Evening Meetings have been held, at which the following Papers were read:—

1897.

Jan. 9—"From Chester to Paris via the Channel Islands, Normandy, and Brittany, with special reference to their Horticultural resources" (illustrated by Lime-light Pictures), by Mr. G. P. MILN.

" 23-"Roses," by REV. LIONEL GARNETT.

Feb. 6-" Flowers and their fertilization" (illustrated by Lime-light Pictures), by Mr. J. D. SIDDALL.

,, 20-" Gardeners of Antiquity," by REV. F. S. M. BENNETT.

Mar. 6—Conversational discussion on Chrysanthemums. Introduced by Mr. John Wynne Ffoulkes.

,, 20-"Spring Flowers," by MR. E. J. BAILLIE, F.L.S.

April 3—"The Art of Modelling Fruits and Vegetables in Plaster of Paris" (with practical demonstrations), by Mr. R. Newstead, F.E.S.

The average attendance of Members at these Meetings was better than in any previous Session, and the liveliest interest continues to be taken in all branches of Horticulture.

The Annual Fruit and Chrysanthemum Exhibition, held under the auspices of this Society, is now recognised as one of the best Exhibitions of its kind in the provinces; and there is abundant evidence to show that the holding of this Exhibition has done a great deal towards encouraging Fruit Culture throughout Cheshire and North Wales.

A new feature which was introduced at the last Exhibition to bring Growers and Consumers into direct contact with each other was generally appreciated.

N. F. BARNES, President. G. P. MILN, Secretary.

NOTE.—The Annual Fruit and Chrysanthemum Exhibition will be held in the Town Hall, Chester, on 16th & 17th November, 1897. Schedules of Prizes and all particulars may be had from the Hon. Secretary, or from any Member of Committee.

The Hon. Treasurer in account with the Chester Society of Natural Science and Literature, for the Year ending April 30th, 1897.

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C. R. ENOCK, C.A., HON. AUDITORS. BERESFORD ADAMS, 18TH MAY, 1897—II's certify the above Statement to be a correct abstract from the Books and Accounts of the Honorary Ireasurer, and that it is duly vouched.

JOHN SIMON, HON. TREASURER.

AUDITOR.

HON. TREASURER.

EDMUND J. BAILLIE,

J. H. A. HALL,

"KINGSLEY MEMORIAL" FUND.

STATEMENT OF ACCOUNT for the Year ended 30th April, 1897.

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	Dr.	627 17 4	To Balance in Bank 8 5 4

JUBILEE PRIZES (£5 each.)

The President (Mr. T. Shepheard, F.R.M.S.) offers the following Prizes for Microscopical Slides:—

- Botany.—To illustrate the structure of different parts of Plants, either by using stains or not; this section may include Desmids, Diatoms, Conferva, and all Microscopical Plants. (The definition as to Plant and Animal being left to the Adjudicators.)
- 2. Geology. Slides which best illustrate Rocks (both Crystalline and Fossiliferous) mounted as Polariscope objects or otherwise.
- 3. Zoology.—To illustrate muscular and nerve tissue; injected preparations to show the Veins and Arteries in situ; both Sea and Fresh-water Microzoa, such as Polyzoa, Rotifera, Hydrozoa, Medusæ, and Sponges, mounted to show their cilia and tentacles extended as described in "Cole's Modern Microscopy," a copy of which is in the Museum Library.

Each Slide must be mounted by the Competitor, and labelled "Jubilee," with a clear description of the object.

The Prize Slides shall become the property of the Society, if so determined by the Committee, and shall be exhibited at the Conversazione in the Autumn.

The competition to be open, not only to Members of the Society, but to Students attending the various Classes in the Grosvenor Museum, and all persons residing within the district embraced by the Society.

The Slides must be sent in to either of the General Secretaries of the Society on or before the 1st September next.

KINGSLEY MEMORIAL PRIZES,

Open to any Resident within the Society's District.

- The Committee have pleasure in aunouncing that a PRIZE not exceeding TEN POUNDS is offered for the most valuable COLLECTION OF OBJECTS IN ANY ONE BRANCH OF NATURAL HISTORY made in the Society's District. The amount given will be proportionate to the quality of the Collection.
- In addition to the above Prize, the Committee have decided that, in order to encourage scientific research, they will make Grants, from year to year, of sums not exceeding TEN POUNDS, out of the Kingsley Memorial Fund, for COLLECTIONS, ESSAYS, or NOTES OF OBSERVATIONS illustrating the NATURAL SCIENCE OF THE SOCIETY'S DISTRICT.
- *** All Collections must be made in Cheshire and North Wales, or the Seas adjoining thereto, by the persons competing.

The Collections, Essays, or Notes of Observations, may be sent in to either of the General Secretaries on or before 1st September, and the awards will be made at the Conversatione next succeeding the adjudication.

NOTE.—The Committee have the option of retaining the successful Collections &c., or any part of them, for the Society.

Intending Competitors can obtain all particulars, and the conditions under which the Prizes are offered, from either of the General Secretaries; and all Collections, &c., must be sent in to either of them on or before the 1st September in each year.

PAST PRESIDENTS.

1871 to 1875—REV. CHARLES KINGSLEY, CANON OF CHESTER (Founder of the Society.)

1875 ,, 1891-PROF. T. MCKENNY HUGHES, F.R.S.

ALFRED O. WALKER, ESQ., J.P., F.L.S. HIS GRACE THE DUKE OF WESTMINSTER, K.G.

1892-3

W. M. Dobie, Esq., M.D., J.P., F.R.A.S. W. M. Dobie, Esq., M.D., J.P., F.R.A.S. H. STOLTERFOTH, Esq., M.A., M.D., J.P. H. STOLTERFOTH, Esq., M.A., M.D., J.P. 1893-4 1894-5

1895-6

1896-7

KINGSLEY MEMORIAL MEDAL,

ESTABLISHED 1877,

" For having contributed materially to the promotion and advancement of some branch or department of Natural Science."-Vide Trust Deed.

1877-Mrs. Chas. Kingsley (In Memoriam)

1878-JOHN PRICE, M.A.

1879--SIR PHILIP DE MALPAS GREY-EGERTON, BART., F.R.S.

1880-Prof. T. McKenny Hughes, F.R.S.

1881—D. MACKINTOSH, F.G.S. 1882—ISAAC BYERLEY, M.R.C.S., F.L.S.

1883—George W. Shrubsole, F.G.S.

1884-ALFRED OSTEN WALKER, F.L.S.

1885-JOHN DAVIES SIDDALL.

1886-HENRY STOLTERFOTH, M.A., M.D.

1887-WILLIAM SHONE, F.G.S. 1888-THOMAS SHEPHEARD, F.R.M.S.

1889-Thos. Ruddy.

1890-REV. CHAS. WOLLEY-DOD, M.A.

1891—ROBERT NEWSTEAD, F.E.S.

1892—OSMUND W. JEFFS.

1893 - EDMUND J. BAILLIE, F.L.S. 1894-W. MURRAY DOBIE, M.D.

1896-Rev. Arthur H. Fish, B.A., B.Sc.

KINGSLEY MEMORIAL PRIZES,

ESTABLISHED 1877,

"For the reward, encouragement, and the advancement of the pursuit and study of Natural Science."- Vide Trust Deed.

1878 HELEN SMITH...... £5 Herbarium of Flowering Plants.

1879-GEORGE SHRUBSOLE .. Carboniferous Fossils.

1881-E. HOPKINS Cryptogamous Plants. Corals of the Mountain Limestone. 10

1882—George Shrubsole.. 1886-ROBERT NEWSTEAD ... 10 Hymenoptera.

1887-JOHN LYON DENSON ... 5 Notes on Observations illustrating the Natural Science of the Society's

District. 1888-LILIAN E. TOMLIN ... Coleoptera 5

5 | Diptera and Hymenoptera (Terebrantia.) 5 | Coleoptera.

1889 EDITH C. TOMLIN ... W. E. SHARP......

1890-ALFRED J. NIXON.... 10 Land and Fresh-Water Shells, 1892-W. E. SHARP..... 10 Coleoptera.

1896 - ALFRED NEWSTEAD £5 5s. Hydradephaga (Water Beetles) and Life Histories of Insects.

SOCIETIES ASSOCIATED,

WITH WHICH THE SOCIETY EXCHANGES PUBLICATIONS.

Academia Nacional de Ciencias de la Republica Argentina, Cordoba.

Barrow Naturalists' Field Club.

Brighton and Sussex Natural History Society.

Bristol Naturalists' Society.

British Association (Corresponding Society's Committee.) British Museum (Natural History), Cromwell Road,

London, S.W.

Burnley Literary and Scientific Club.

Cardiff Naturalists' Society.

Cassel Society of Natural Science.

Dudley and Midland Geological and Scientific Society and Field Club.

Epping Forest and County of Essex Naturalists' Field Club.

Glasgow Natural History Society.

Hertfordshire Natural History Society and Field Club.

Huddersfield Naturalists' Society.

La Société d'Histoire Naturelle de St. Wladimir á Kiew, Russie.

Leeds Naturalists' Club.

Liverpool Geological Society.

Liverpool Geological Association.

Liverpool Literary and Philosophical Society.

Liverpool Microscopical Society. Liverpool Naturalists' Field Club.

Liverpool Science Students' Association.

Manchester Field Naturalists' Society.

Manchester Geological Society. Manchester Microscopical Society.

Menai Society of Natural Science.

Northampton Natural History and Field Club. North Staffordshire Naturalists' Field Club and Archæological Society.

Norwich Science Gossip Club. Nottingham Naturalists' Society.

Patent Office Library, 25, Southampton Buildings, Chancery Lane, London, W.C.

Postal Microscopical Society. Quekett Microscopical Society.

Smithsonian Institution, Washington, D.C.

The Missouri Botanical Garden, St. Louis, U.S.A.

United States Geological Survey. Vatican Observatory, Rome.

Vienna Natural History Museum.

Wigan Literary and Scientific Society. Yorkshire Naturalists' Union, Leeds.

HONORARY MEMBERS.

Those marked (*) have read or contributed Papers at the Society's Meetings.

Allman, Prof., F.R.S. *Ball, Sir Robert S., F.R.S.	Ardmore, Parkstone, Dorset
Barrett, Chas. G., Esq., F.E.S.	39, Linden Grove, Nunhead, London,
a	S.E.
Candolle, Mons. Casimir De	Geneva
Cannizaro, Prof. *Carruthers, W., Esq., F.R.S.	Rome
Carruthers, W., Esq., P.N.D.	The British Museum, South Ken- sington, London, S. W.
Credner, Dr. Hermann	Leipzic
*Dawkins, Prof. W. Boyd, F.R.S	Woodhurst, Wilmslow road, Fallow-
,, -,	field, Manchester
*Grindon, Leo H., Esq	20, Cecil Street, Greenheys, Manchester
*Hicks, H., Esq., F.R.S	Hendon Grove, Hendon, London,
Hooker, Sir J. D., K.C.S.I., F.R.S.	
*Hughes, Prof. T. McKenny, F.R.S.	Trinity College, Cambridge
*Hull, Prof., F.R.S.	20, Arundel Gardens, London, W.
*Judd, Prof. J. W., F.R.S	Royal College of Science, South Ken-
Walnie Mb. Diele H. T. L.D. D.C.	sington, London, S. W.
Kelvin, The Right Hon. Lord, Pres. R.S	
*Lubbock, Sir John, Bart., M.P., F.R.S *Morton, G. H., Esq., F.G.S.	Down, Farnborough, Kent 209, Edge Lane, Liverpool, E.
Norman, Rev. Canon, F.R.S.	Burnmoor Rectory, Fence Houses,
2.22.23	Durham
Oxford, The Lord Bishop of	The Palace, Cuddesdon, Oxford
Poulton, Prof. E. B., F.R.S.	Wykeham House, Oxford.
*Rae, E., Esq., F.S, A	Court Lodge, Birkenhead
Renard, The Abbé	
Duntana Dane Mr. IF	Natural History, Brussels
Röntgen, Prof. W. K.	
Roscoe, Sir Henry E., F.R.S. *Rudler, F. W., Esq., F.G.S.	10, Bramham Gardens, London, S. W.
Italier, F. W., Esq., F.G.S	Museum of Practical Geology, Jer- mun street, London, S. W.
Sanderson, Dr. Burden, F.R.S.	64, Banbury road, Oxford
*Sorby, Dr., F.R S.	Broomfield. Sheffield
*Vize, Rev. J. E., M.A.	Forden Vicarage, Welshpool
Wallace, Dr. A. Russell, F.R.S.	Parkstone, Dorset

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Askew, Mr. Jas. H	Bidston Lighthouse, Birkenhead
Brodrick, The Hon. Mrs. Lawrence	Coed Coch, Abergele
Cooke, Col. B. G. Davies	Colomendy, Mold
Coward, Mr. T. A.	Higher Downs, Bowdon
Day, Mr. George	Parr's Bank Limited, Knutsford
Griffith, Mr. J. E., F.L.S., F.R.A.S	Vronheulog, Upper Bangor, N. W.
Joachim, Mr. Geo.	Dunedin, Otago, New Zealand
Nicholson, Mr. A. C., F.G.S.	Bronderw, Oswestry
Nixon, Mr. A. J.	Birdham School, Chichester
Oldham, Mr. C.	Romiley, near Stockport
*Reade, Mr. Oswald A.	
*Rowston, Mr. R	Kingsley, Alton, Hants
*Ruddy, Mr. Thos.	Palé, Corwen
Russell, Dr	Colwun Bau
Tomlin, Mr. J. R. le B., B.A.	Thorpe Villa, Liverpool Road
Walker, Mr. Fred	Heywood, Tenby
*Wilkins, Mr. T. S.	Uttoxeler
Williams, Mr. G. J., F.G.S.	H.M. Inspector of Mines, Bangor

NOTICE.

THE ANNUAL SUBSCRIPTIONS are due on the 1st of May in each year. Members who have not paid for the present year are respectfully requested to forward the amount (Five Shillings) to the Hon. Treasurer, Mr. JOHN SIMON, Chemist; 4, Eastgate Row.

To prevent a recurrence of a frequent misunderstanding, Members are reminded that their Names are retained on the Society's Books, and their Subscriptions considered due, until notice has been given to the contrary according to Rule 8.

LIST OF MEMBERS.

Those marked (*) have read or contributed Papers at the Society's Meetings.

Adair, Major-General	7 Stanley place
	Shirley House, Liverpool road
Adams, Mrs.	
Adams, Mr. Geo. F	. Ashbourne, Victoria road
Adams, Mr. J. F	20B West Cliff, Preston
Ainsworth, Miss F	
*Allen, Mr. Percy K	
Appleton, Mr. John	Rouverie street
Archer, Mr. W. E.	" Lightfoot street
*Arkle Mr T	Diocesan School, George street
Atkinson, Rev. Bernard N., M.	
Avery, Mr. Geo	
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Bailey Mr H Grant	Crunt Chambara
Bailey, Mr. H. Grant	Crypt Chambers
*Baillie, Mr. E. J., F.L.S	Woodbine, Upton
*Baillie, Mr. E. J., F.L.S	Woodbine, Upton
*Baillie, Mr. E. J., F.L.S. Baillie, Mrs. *Bairstow, Mr. I., F.C.S.	Woodbine, Upton
*Baillie, Mr. E. J., F.L.S. Baillie, Mrs. *Bairstow, Mr. I., F.C.S.	Woodbine, Upton
*Baillie, Mr. E. J., F.L.S. Baillie, Mrs. *Bairstow, Mr. J., F.C.S. Bairstow, Mrs. Baker, Miss	Woodbine, UptonBurley, Queen's park2 Grey Friars
*Baillie, Mr. E. J., F.L.S. Baillie, Mrs. *Bairstow, Mr. J., F.C.S. Bairstow, Mrs. Baker, Miss Ballance, Mr. W.	Woodbine, UptonBurley, Queen's park2 Grey FriarsUpton Park
*Baillie, Mr. E. J., F.L.S. Baillie, Mrs. *Bairstow, Mr. J., F.C.S. Bairstow, Mrs. Baker, Miss Ballance, Mr. W. *Ballard, Mr. E. G., A.R.S.M.	Woodbine, UptonBurley, Queen's park2 Grey Fria'sUpton ParkNewton, Chester
*Baillie, Mr. E. J., F.L.S. Baillie, Mrs. *Bairstow, Mrs. Bairstow, Mrs. Baker, Miss Ballance, Mr. W. *Ballard, Mr. E. G., A.R.S.M. Barber, Mr. John	Woodbine, UptonBurley, Queen's park2 Grey FriarsUpton ParkNewton, Chester19 Eastgate street
*Baillie, Mr. E. J., F.L.S. Baillie, Mrs. *Bairstow, Mr. J., F.C.S. Bairstow, Mrs. Baker, Miss Ballance, Mr. W. *Ballard, Mr. E. G., A.R.S.M. Barber, Mr. John Barbour, Mr. Geo., J.P.	Woodbine, UptonBurley, Queen's park2 Grey FriarsUpton ParkNewton, Chester19 Eastgate streetBolesworth Castle, Tattenhall
*Baillie, Mr. E. J., F.L.S. Baillie, Mrs. *Bairstow, Mr. J., F.C.S. Bairstow, Mrs. Baker, Miss Ballance, Mr. W. *Ballard, Mr. E. G., A.R.S.M. Barber, Mr. John Barbour, Mr. Geo., J.P. Barbour, Mrs.	Woodbine, UptonBurley, Queen's park2 Grey FriarsUpton ParkNewton, Chester19 Eastgate streetBolesworth Carle, Tattenhall
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Barker, Mr. R. Longueville	.8 Eaton road
Barnes, Mr. N. F	
Barnes, Rev. F., B.A	. Hope Villa, Raymond street
Barnsley, Mrs	. Tattenhall, Chester
Barraclough, Mr. E	a Abbat's nook Liverpool road
Danielough, Mr. D	.9 21000t S 1100k, Liverpoor road
Barraclough, Mrs	*
Barrow, Miss	. The Infirmary
Bassett, Miss C. E	. 68 Northgate street
Payter Mr Geo	Foregate street
Baxter, Mr. Geo. **Bedford, Rev. J. L., M.A., F.L.S	, rolegate street
*Bedford, Rev. J. L., M.A., F.L.S	10 Abbey square
Bedford, Mrs	
Rest Rev T D M A	Diocesan Training College
D:L M., II T	Camilla Timma contest
Birch, Mr. H. J.	Corvine, Liverpool road
Birch, Miss	. 18 Upper Northgate street
Bird, Rev. W. R	. 66 Bouverie street
Rithell Mr W	Messrs. Beckett & Co., Eastgate row
Blackburn, Miss F. G	. Springhill, Boughton
Blayney, Mr. A	. 2 City Walls, W.
blogg, Rev. H. D., M.R	. Flousham Vicarage, Chesine
Blomfield Admiral	c/o Messrs. Woodhead & Co., 44, Charing Cross, London
Diominicia, Laminai	Cross, London
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Poden Mr. Poht W	Saighton Ladge Charter
Boden, Mr. Robt. W	, Saignton Louge, Chester
Bolland, Mrs	. 23 Hough green
Bolland, Mr. Frank Bonnalie, Mr. G. S., L.D.S., R.C.	
Bonnalie Mr G S I DS R C	S IInton park Chester
Domaile, Mr. G. S., L.D. S., Ac.C.	S., Opton park, Chester
*Bonnalie, Mr. Fredk. J., L.D.S, I	. , ,, ,,
*Bonnalie, Mr. Fredk. J., L.D.S, I	R.C.S., 4 Abbey square
Boscawen, Mr. Noel	15-1
Boscawell, Mr. Noel	.2 Mulgrave street, Liverpool
Bowers, Mr. H. R., J.P	.2 Richmond place
Bowers, Mr. H. R., J.P	. 2 Richmond place
Bowers, Mr. H. R., J.P Bowers, Mrs.	. 2 Richmond place
Bowers, Mr. H. R., J.P Bowers, Mrs Bowles, Mr. T. S	. 2 Richmond place
Bowers, Mr. H. R., J.P Bowers, Mrs. Bowles, Mr. T. S. Box. Mr. Henry	.2 Richmond place,,,,,,,
Bowers, Mr. H. R., J.P Bowers, Mrs. Bowles, Mr. T. S. Box. Mr. Henry	.2 Richmond place,,,,,,,
Bowers, Mr. H. R., J.P Bowers, Mrs. Bowles, Mr. T. S. Box. Mr. Henry	.2 Richmond place,,,,,,,
Bowers, Mr. H. R., J.P Bowers, Mrs Bowles, Mr. T. S. Box, Mr. Henry Boyson, Miss Annie H	.2 Richmond place 13 Hough green .46 Frodsham street 28 Macaulay road, Clapham Common, London, S.W.
Bowers, Mr. H. R., J.P Bowers, Mrs	.2 Richmond place
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Bowers, Mr. H. R., J.P. Bowers, Mrs	.2 Richmond place,,,,,,,
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Bullin, Mrs	1, 1,
Bull, Mr. H. F	, Sunny bank, Queen's park
Burges, Dr. R. Evans	Hoole
Burrell, Mr. T. G	110 Foregate street
Burrows, Mr. R	Railway Inn, Brook street
Butcher, Mr. Jas	14 Union walk
Butlin, Colonel	Belmont, Chester
Butlin, Mrs.	,, ,,
Campbell, Mrs. Pitcairn	Vicar's Cross, Chester
Campbell, Miss Pitcairn	,, ,,
Campbell, Miss Pitcairn Campbell, Mr. A. D. Pitcairn	***
Carr. The Hon. Mrs	Richmond lodge, Boughton
Carter, Mr. T.	nemist, boughton
Challinor, Mr. R	32 Eaton road
Challinor, Mr. R	Wynstay, Hoole, Chester
Chalton, Mrs	19 19 17
Chapman, Mr. F. W4	2 Tarvin road
Channan Mr W D	@ Messrs. Stead & Simpson's, 11 Fore-
Chapman, Mr. W. R	@ Messrs. Stead & Simpson's, 11 Fore- gate street
*Chester, The Right Rev. The Lord Bishop of	The Palace, Dee Side
Bishop of	1 110 1 111100, 200 0111
Clarke, Miss Sybill	Stanley House
Clarke, Mr. John	Pasadena, Liverpool road
Clemence Mr S.	2 Chichester street
Clemence, Mr. Thos.	Rockend, 31 Cambrian view
Clough, Miss	Ashton House, New Crane street
Clough, Mr. G. F	2 Hough green
Clough, Mrs. Cockrill, Mr. C. P.	
Cockrill, Mr. C. P	Chester road, Saltney
Coe, Mr. D	20 Lighthoot street, Dishopheids
Coe, Mr. Henry L	4 Bold terrace
Collinge Mr James	Kinnerton Lodge, Chester
Connah, Mr. Jas The Lat	ooratory, Somerset House, London, W.C.
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Cooke, Mr. J. H.	6 Queen street
Coppack, Mr. Chas	Gladwyn, Liverpool road
Coppack, Miss	21 22
Coppack, Miss Nellie	
Cordery, Miss C	St. Agnes' School, Caldy, West Kirby
Cornish, Rev. J. T.	St. Agnes' School, Caldy, West Kirby
Cornish, Mrs	House
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Cummings, Miss	King's Buildings
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Davies, Mr. E. Henry	19 Francis street
Davies, Mr. Joseph	D 1 D 1 T' '4-1 Charten
Davies, Mr. John	Parr's Bank Limited, Chester
Davies Mr. I. P.	75 Crane street
Davies, Miss	St. Michael's Schools
Davies, Rev. Clement	St. Michael's Schools The Vicarage, Rhosesmor, Holywell
Davies, Mr. W. L	o Abbey green
Davies, Mrs	, , , , , , , , , , , , , , , , , , ,
Davies, Mr. James	Ivy Cottage, Love street

Day, Mr. JohnBryntirion, Chichester street
Delany, Mr John
Delany, Mrs
Delany, Mrs
Denson, Mrs
Denson, Miss Adelaide,
Denson, Mr. J. Lyon
Dickson, Mr. Geo. A., J.PSpringheid, Flookersbrook
Dickson, Mrs, ,, ,,
Dickson, Mrs
Dickson, Mic. J. H
Dickson, Mr. S. J. R
Dickson, Mrs. W. AlfredNewton villa
Dickson Mr Guy Tritton
Digby, Miss
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Dobie, Mr. Douglas, ,, ,,
Dobie, Mr. Douglas
Dobie, Dr. Herbert 11 St. John street
Dobie, Mrs. , , , , ,
Dobie, Mrs. "" Dod, Rev. C Wolley, M.A., J.P Edge Hall, Malpas
Dod, Miss Wolley
Dodd, Mr. W143 St. Anne street
Dodd, Mr. John oo Cambrian crescent
Dodds, Miss M. Evelyn Inornieign, Hough green
Dowdall, LieutCol. A. P Curzon park
Dowdall, Miss A
Duckworth, Mr. Henry, F.L.S., F.G.S. Liverpool road Duckworth, Mr. Winefryd Lawrence H., M.AJesus' College, Cambridge
Duckworth, Mr. Winerrya Lawrence H., M.A Jesus Conege, Cambridge
Duff, Dr
Dutton, Mr. George, J.PCurzon house
Dutton, Mrs. G. W
Dutton, Mr. H. B Freshfield, 27 Curzon park
Dutton Mrs
Dutton, Mrs
Dutton, Miss M 4 Castle esplanade
Dye, Mr. Alfred B 72 Bouverie street
2,0,
Edwards, Mr. F. G., M.R.C.V.S5 Newgate street
Edwards, Mr. I
Edwardes, Miss Kate36 Sealand road
Eggers, Miss 4 Hough green Elliott, Dr. John, B.S., B.Sc24 Nicholas street
Elliott, Dr. John, B.S., B.Sc24 Nicholas street
Elliott, Miss , ,,
Elliott, Miss
Enock, Mrs, ,, ,,
Enock, Miss ,, ,, Evans-Lloyd, Col., J.PStanley house
Evans-Lloyd, Col., J.P Stanley house
*Evans, Mr. F The Eastgate
Ewing, Mr. C. A 3 Brookside villas, Flookersbrook
Towns Mr. Dishard 26 Liverpool road
Farmer, Mr. Richard36 Liverpool road
Farrimond, Mr. F. T. Sunnyside, Boughton Ferguson, Mr. W. The Cairn, Liverpool road
Ffoulkes, His Honor Judge Wynne, M.AOld Northgate house
Troubes, 115 115thor Judge 11 Julie, 111111, Old 110111gitte 110450

Ffoulkes, Mr. I. Wynne	. Old Northgate house
Ffoulkes, Mr. J. Wynne Ffoulkes, Mr. Thomas B., Junr	8 Burlington road, Inswich
Efectives, Mr. Inomas 17, Juni.	Tr Chichecter street
Ffoulkes, Mr. Geo. B	. 15 Chichester street
Finchett-Maddock, Mrs. H Finlayson, Mrs.	. Cae Gwyn, Carnarvon
Finlayson, Mrs.	The Gables, Flookersbrook
Fish, Mrs. *Fish, Rev. A. H., B.A., B.Sc. Fleet, Mr. H. *Fletcher, Mr. P. H.	Arnold House, Parkgate road
ATCLL Day A IT DA DCo	,
*Fish, Rev. A. H., B.A., D.Sc	• 22 • 12 : 22
Fleet, Mr. H.	.35 Tarvin road
*Fletcher, Mr. P. H	, Woodbrae, Curzon park
Fletcher, Miss Fluitt, Miss Footner, Mr. H.	
Their Miss	42 IInner Northgate street
Fluitt, Miss	,42 Opper Northgate street
Footner, Mr. H	. Dee banks
Footner, Mrs	
Fordham Miss	to Raymond street
Footner, Mr. H. Footner, Mrs. Fordham, Miss Francis, Mr. F. E., B.Sc., Ph.D. Frater, Mr. Jas. Frost, Sir Thomas G., J.P. Frost, Lady Frost, Mr. J. G., J.P. Frost, Mr. Mrs.	Wilmones mark Heale
*Francis, Mr. F. E., B.Sc., Ph.D.	. Kilmorey park, noole
Frater, Mr. Jas	Old Bank House
Frost Sir Thomas G., L.P.	. Redcliff, Oueen's park
Front Lade	,
Frost, Lady	To 4 . Con 1 . 1
Frost, Mr. J. G., J.P	. Estyn, Sandy lane
Frost, Mrs.	, ,,
Frost, Mrs. Frost, Mr. J. M., J.P.	Dee Lodge
Table 3.5	. Dec Boage
Frost, Mrs Frost, Mr. T. Gibbons	1 12 27
Frost, Mr. T. Gibbons	.Richmond Hill
Frost, Mrs	
	" "
C 1 NEW TYT A	Dadland Hansa Hansh mass
Gardner, Mr. W. A	. Rediand House, Hough green
Gardner, Miss.	
Gardner, Mr. E.	. a Abbev street
Gardner, Miss Gardner, Mr. E. Garland, Mr. Jas.	Faton Chester
Galland, Mil. Jas.	The Destar Chairthan
Garnett, Mrs.	. The Rectory, Christieton
Garnett, Mrs	. Buckley, via Chester
Gibson, Miss	5 Crane street Wisbeach House, Glan Aber park Egerton villa, Liverpool road
Cibeen Mr John	Wicheach House Glan Abor north
Gibson, Mir. John	. Wisbeach House, Gran Hoer park
Gilbert, Mr. Leonard, J.P	Egerton villa, Liverpool road
Gilbert, Mr. Egerton	. 17 Eaton road
Gilbert Mrs	
Giles, Mr. E. S	Courmade Vicar's Cross
Glies, Mr. E. S	dowymede, vicai s closs
Giles, Mrs	,,
Glascodyne, Miss	, . II Cambrian view
Golder, Mr. S. Golder, Mr. Jas. T. Goodman, Mr. A. E.	41 Liverpool road
Colden Mr. Ing T	24 Foton road
Golder, Mil. Jas. 1.	34 Eaton Toau
Goodman, Mr. A. E	Oakdene, Tarvin road
Goodman, Mrs.	
Goodhart, Mrs. E. S.	. of Watergate flags
Grandidge Mrs	The Grange Flookershrook
Goodhart, Mrs. E. S. Grandidge, Mrs. *Granger, Mr. F. M., M.R.C.S., 1	The Grange, Productsbrook
*Granger, Mr. F. M., M.K.C.S.,	L.R.C.P 18 Nicholas street
Grantham Key H	S. Mary's Rectory
Gray, Miss Greenhouse, Mr. Chas Griffith, Mr. G. R.	4 Lorne street
Greenhouse Mr Chas	r Eversley park
C'est M. C. D.	I Eversicy park
Griffith, Mr. G. R	30 Hough green
Griffith, Mr. G. B.	22 Queen street
Griffiths Miss	2 Holly Bank, Queen's park
CaiCtha Mr John	, to Lion, Danin, Sacen's park
Griffiths, Mr. John *Griffiths, Rev. T. T., M.A	** 32
*Griffiths, Rev. T. T., M.A	,,
Grindley, Mr. J	3 Eastgate street
Gunton Miss	Rimmersfield
Gunton, Mandelli Control Control	, , z zminiotomoto
TT 11 1 35 0 D	(A)
Haddacks, Mr. C. R.	Asn grove
*Hall, Mr. J. H. A	Montrose House, Hough green
Hall, Mrs.	
	•• ,,

Hall, Miss Cecile	Montrose House, Hough green
Hall, Miss Ceche	2 2' C 1 Clausester
Hall, Miss Josephine	Staunton House, near Coleford, Gloucester 16 White friars
Hamilton, Mr. A., M.R.C.S	16 White friars
Hamilton, Mrs. Hampson, Mr. R.	. 22 22 11-
Hampson Mr. R	. Halkyn road, Flookersbrook
Hardy Mr. I. E.	Halkyn road, Floorershook The Blue Coat School, The Northgate Alvanley, Warrington Dee hills park
Harnaman, Mr. I. M.	. Alvanley, Warrington
Harris, Mr. T.	Dee hills park
Harris, Mrs. Harrison, Miss	· Clisterden etroet
Harrison, Miss	. 13 Chichester street
Harrison, Mr. N. Harrison, Mrs. Haswell, Mr. G. H. Henderson, Mr. J. E.	Ousen's park
Haswell, Mr. G. H.	. Queen's park
Henderson, Mr. J. E	The Hollies Liverpool road
Henshaw, Miss Edith E.	• • //
Henshaw, Miss Florence M Henshaw, Mr. T. A	27 Halkyn road, Hoole
Henshaw, Mr. T. A	8 Hough green
Heppel, Miss	10 110 110
Heppel, Miss M. E.	Windsor lodge, Mickle Trafford
Heppel, Mrs.	Telegraph Department, Post Office
Hetnerington, Mr. 1.	Windsor lodge, Mickle Trafford Telegraph Department, Post Office Abbey House, Northgate street Northgate street
Hickman, Miss	., 17 The Groves
Higgins, Miss Eva	The Manor, Overleigh
Higgins, Miss Millie	
Higgins, Miss Eva Higgins, Miss Millie Higginson, Mr. T.	I South view, Eaton road
Higginson, Mr. 1. Hignett, Mrs.	14 Hough green
Hignett, Mrs. Hignett, Mrs. A. H. Hignett, Mrs. T. H.	
Hignett, Mrs. T. H.	Shandon, Hough green
Highett, Mrs. 1. H. Hincks, Mr. H. T.	61 Northgate street
Hobday, Mr. E. Hobday, Mr. E. Hobday, Mr. Jas., B.A.	The Groves
Hobday, Mr. Jas., B.A.	22 The Groves
*Hodges, Mr. W	, 31 110-8- 8
Hodges, Miss A. G.	25 Penner street
Hodges, Miss A. G	
Holland, Miss S. L	• • •
Holland, Miss A. M.	
Holmes, Mr. J. G.	Great Budworth, Northwich
Hopkins, Mr. T., M.B.	60 Watergate street
Hopkins, Mrs. Hopley, Mr. J. H.	Chemist, Northgate street
Hostage, Mr. George B	28 Eaton road
Hostage Mrs	
Hostage Miss	22 Eaton road Egerton House, Upper Northgate street
Howson Rev. I. F., M.A	Egerton House, Upper Northgate street
Howson Miss	"
Howson, Miss Howson, Rev. G. J., M.A	The Vicarage, Crewe
Hudson, Mrs. R. S	Bache Hall, Chester
Hughes, Mrs. McKenny	18 Hills road, Campriage
Hughes, Mrs	
Hughes, Mr. John	47 Victoria street, Westminster, London The Cross
Hull, Mr. G. S. N	The Cross

... Newton Hall, Chester

Humberston, Miss

Humberston, Miss	Newton Hall, Chester
Humphreys, Mr. E. Noel	, 9 and 11 Old Bank Buildings
Hunter, Mr. Jas	. Maisonnette, Hough green
Hunter Mr. C. P.	
Hutchings, Mr. J. H.	. 47 White friars
	* 17
Tack, Mr. A. S	Relle Vue 26 Hough green
Jackson, Mr. Roger, J.P.	of Hough groon
Jackson, Mr. Roger, J.L.	, 20 Hough green
Jackson, Miss	· m · m · m
Jayne, Mr. Roland G	.The Palace, Dee side
Jayne, Mr. K	• ,,
*Jebb, Mr. G. R., C.E	Fairyfield, Great Bar, Birmingham
Tephcott, Mr. Charles, M.A	. 13 Lorne street (North)
Jephcott, Mr. Charles, M.A Jepson, Mr. Arthur	6 Walpole road
Johnson, Major	o Upper Northgate street
Tohnson Mrs	II Bertram road Sefton north Livernool
Tohnson Mr	.11 Bertram road, Sefton park, Liverpool .St. Paul's School, Boughton .9 York villas, Lorne street
Johnson, Mr	. St. Faut's School, Boughton
Johnson, Mr. M., L.D.S.L	.9 York villas, Lorne street
Johnson, Mr. Thomas C	. Bod Asaph, Chichester street
Johnson, Mr. Alfred	Norton villa, Upton park
Jones, Miss	.The Northgate
Jones, Mrs. Edward	. I Derby place, Hoole
Jones, Mr. Jno	
Jones, Mr. F. M	.5
Iones Mr I M	Roodee Works
Jones, Mr. J. M Jones, Mr. David Brellisford	II St Anno street
Jones, Mr. David Blemslord	46 Commin atmost
Jones, Mr. James M	.40 Cuppin street
Jones, Mr. W. C	. 20 Duke street
Kelsall, Miss H	
Kemp, Mr. George	. 59 Bridge street
Kenyon, Mr. G. A., M.B.	. Flookersbrook
Kenyon, Mrs	. ,,
King, Dr. H. W	26 Nicholas street
TZ: 7/	
*Kingsley, Miss	. 10 Walton place, Hans place, London, S.W. Grosvenor street
Knowles Mr F R	Grosvenor street
Kynnersley, Mr. E. M. Sneyd .	Boughton lodge
Teylinersicy, Mr. 13. Mr. Sheyd .	. Boughton jouge
Lacy, Mrs	Maara Halma Nastan
Lacy, Mis.	. Moore Holline, Neston
Lamont, Mr. A.	.3 City wans (west)
Lamont, Mr. A. Lamont, Mr. A., Junr. Lamont, Miss	• 22
Lamont, Miss Lanceley, Mr. R. H.	1
Lanceley, Mr. R. H	. Victoria road
Latham, Mr. I. S.	. Green bank. Liverpool road
*Lawrence, Dr. A	.The Asylum, Chester
Lee, Mrs	. York cottage, 18 Garden lane
Lees, Mr. W., M.R.C.S	. The Bars
Leete, Mrs	Vicarage road Hoole
Lewis, Rev. J. S., M.A	Guilefield Vicerage Welchnool
T:441 Mr. 37 E	at Hough areas
Little, Mr. W. E	
Little, Mrs.	' O " 1 . 1 . T . W . 1
Littler, Miss	. 132 Overleigh road, Handbridge
Lloyd, His Honour Sir Horatio.	Stanley niane
T 1 1 T 1	, Statiley place
Lloyd, Lady	• · · · · · · · · · · · · · · · · · · ·
Lloyd, Major Wilford	Eccleston Hill, Chester
Lloyd, Lady Lloyd, Major Wilford Lloyd, Mrs.	Eccleston Hill, Chester
Lloyd, Major Wilford Lloyd, Mrs. Lloyd, Mrs. E.	Eccleston Hill, Chester

Lloyd, Miss M. E	13 Chichester street
Tlord Mice!	TO I THICESS SELECT
Lockett, Mr. H.	to Gladstone avenue
Lockett, Mr. n.	So Foregate street
*Lockwood, Mr. T. M., F.R.I.B.A	* Ougan's nark
Lockwood, Mrs. Lockwood, Mrs. Lomax, Mr. F. T.	7 Queen's park
Lomax, Mr. F. T	12 Bold terrace
Long, Mr. F. Long, Mrs. Longbottom, Mr. F. W.	,2 Lumley road
*Longbottom, Mr. F. W	. Haslemere, Queen's park
Lowe, Mr. G. B.	25 Hough green
Lowe, Miss C H	
Lowe, Miss C. H*Lowe, Mr. W. F., A.R. S.M.,	
*Lowe, Mr. W. F., A.R.S.M.,	9 Hough green
F.I.C., F.C.S.	
Lowe, Mrs. Lowe, Mr. Jas. F., B.A	Des bonles
Lowe, Mr. Jas. F., B.A	Dee Danks
*I ucas Mr A. W., F.G.S	.7 Victoria patriway, Queen's parts
Lyon, Rev. J., M.A.	.7 Grey friars
Lyon, restry,	
Macdonald, Mr. G	.3 Abbey square
*Macdonald, Mr. G. E	11
*Mandonald Miss Fva	
Maddocks, Mr. Frank	10 Penner street
Manley, Mr. n.	The Governor's House, H.M. Prison,
*Manning, Mr. J. B	Pentonville, London
Manning, Miss Edith	18 Upper Northgate street
Man Man A M B	. Newsate Street
Mann, Mrs. Marriott, Mr. J. W	31 32
Marriott Mr. I. W.	The Grosvenor Museum
Marsden, Miss	6 Grosvenor park road
Mason, Mr. F. B.	67 Parkgate road
Mason, Mr. F. B.	2 Stanley place
Massie, Admiral	Inland Revenue Office
Matthews, Mr. W. G.	- Alexandra terrace Hoole road
McEwen, Mrs.	.7 Alexandra terrace, Hoole road
McMichael, Mrs	I Allington terrace, Hoole road
McIneray, Mr. A. J	I Allington terrace, Hoole road
Meacock, Miss	West Hey, Hough green
Meacock, Miss Meeson, Mr. W. H.	21 Bold square
Middleton, Mr. G.	I Sandown terrace
Middleton, Mrs	
Middleton, Mrs.	Victoria house, Victoria road
Millington, Mr. C.	Derby house Hoole
Mills, Mrs.	Thion Hall Foregate street
Mills, Mr. T.	Jell believe Drook lone
*Miln. Mr. (7. P	Williamonne, Drook kane
Miln, Mrs	2229
Minshull, Mr. E	The Northgate
Minshull, Miss	
*Mitchell, Rev. I. C., B.D., F.I	R.A.S. Rutland Cottage, Parkgate road
Mantagara Pau I K	A hhor's villas. Liverpoor road
Mantgomery, Mr John K R	A., B.Sc 5 Meyrick road, Stafford
Moreton, Mr. T. W. E., M.R.	C S Tarvin
Moreton, Mr. I. W. E., M.K.	The Mount Queen's park
Morgan, Rev. J. B.	Deidge street
Morgan, Mr. Sydney	52 Dringe Street
The Pay Caron D.D.	52 Bridge street ., F.S.A. St. Gabriel's Vicarage, 4 Warwick square, London, S.W.
*Morris, The Rev. Canon, D.D	square, London, S.W.

Morris, Miss Margaret Morrison, Mrs. Mossford, Mr. John Moss, Mr. Samuel Moss, Mrs. Mostyn, Sir Pyers W., Bart. Mowle, Mr. John A. Mowle, Mrs. Musgrave, Mrs. Musgrave, Mrs. Musgrave, Miss	. The Eaton road . The Rhigi, Tattenhall . 28 Hough green . Talacre, Holywell . Lyndale, St. John's road, Queen's park . 45 White friars
Newsome, Mr. Harold *Newstead, Mr. R., F.E.S. Nicholls, Mr. W. A. M. Nicholls, Mr. G. F. Nicholson, Mr. J. M. Nicholson, Mr. R. Leonard St. Niven, Mr. James Noyes, Mr. H. J.	.The Grosvenor Museum .38 Eaton road .12 Chichester streetLiverpool road Clair, .12 Seller street
*Okell, Mr. E. W. Okell, Mr. P. H. *Okell, Miss M. H. Oldfield, Mrs. Oldfield, Miss Orton, Mr. R. O., J.P.	I Northgate street Brook lane 68 Northgate street
Parkes, Mr. A	Farndon hall, Chester 10 Upper Northgate street 21 Victoria road Westcote, Hoole road
Payne, Miss Payne, Miss A. Perry, Miss Phillipson, Mr. I.	4 Abbey greenAlbion house, Lower Bridge street23 Liverpool roadCrowthorne, Childer Thornton, Chester
Powell, Mr. E	54 Northgate street Abbot's grange, Liverpool road 26 Watergate row 53 Rutland terrace, Parkgate road 9 The Groves
Pritchard, Mr. Harold Pye, Mr. James Pye, Mrs. Pye, Mrs. Fred. A.	The Hollies, Upton parkWilton house, Brook lane16 Granville road "16 Stanstead road, Catford, London, S.E.
Rayner, Miss	Ash grove, Wrexham road

Richardson, Mr. A	.Bridge street row
Roberts, Miss	Bank cottage, Neston
Roberts, Miss M. Roberts, Dr., J.P.	.8 Nicholas street
Roberts, Dr., J.P.	.8 Abbey square
Roberts, Miss Johnson Roberts, Mrs. Roberts, Miss Roberts, Mrs. B. C., J.P.	. 7 Lumley road, Liverpool road
Roberts Mrs.	Overleigh Hough green
Roberts Mics	o ronorgan, amongan groom
Poborto Mr P C TP	Oakfield Unton
Debests Mr. D. C., J. I	Wall have Charter
Roberts, Mr. W. F	Community Chester
Roberts, Mr. J. Sheriff	Curzon park
Roberts, Mrs.	
Roberts, Mr. J. Roberts, Mr. T.	.9 Lightfoot street
Roberts, Mr. T.	.32 St. Martin's-in-the-fields
Roberts, Rev. H. D	.9 Unichester street
Rogers, Mr. Tames	. The Cross
Rogers, Mr. W	Watergate flags
Rogerson, Mr. G. H.	. Polefield. Liverpool road
Royle, Mrs	Hough Green House
Rude-Iones Mr T	Union Rank House The Rars
Tyde-Jones, Mr. 1	Office Dark House, The Dars
Sandhash Mr S H T P	Charm hill Malnac
Sandbach, Mr. S. H. J.P	Ouen's Cabael
*Sandford, Mrs. Henry	Queen's School
Sant, Mr. T.	. Frodsham
*Schröder, Mr. W. G.	The Grosvenor Museum
Scotland, Mrs	. Vicar's lane
Scott, Mr. John	. Brook lane
Scott, Rev. Canon S. Cooper, M.	.A., St. John's Rectory
Segar, Mr. F., L.D S.E	White Friars House
Shand, Miss E. M.	Kingston House
Shand, Miss E. F. Sharpe, Mr. F. W.	
Sharne, Mr. F. W.	7 Abbey square
Sharpe Mr Alan	, / LLDDCy Square
Sharpe, Mr. Alan* *Shepheard, Mr. T., F.R.M.S.	Kingsley Bournemouth
Chaphaged Mr W E I	Dridge street row
Shepheard, Mr. W. F. J.	. Driage street row
Shepheard, Mrs.	37
Snepneard, Mr. J. D	National Provincial Bank, Wrexham
Onone, with we ., I adopt	. Opton park
Shone, Mrs.	• 29
Shone, Mr. Wm., Junr Shrubsole, Mr. Alfred	, ,,
Shrubsole, Mr. Alfred	Town Hall square
*Siddall, Mr. J. D	, lo Laton road
Siddall, Mrs	. 11
Siddall Miss Annie	
Siddall, Miss G. M.	
Siddall, Mr. W.	,,
Siddall, Mr. W. Simon, Mr. John	4 Eastgate row
Simpson, Mr. Ricardo	Flyingre Curzon park
Sitwell, Mrs.	Faton road
Sivertsen, Miss Inga	Discon Daint Chaster
Smith, Mr. T., J.P.	. Diacon Foint, Chester
Smith, Mrs. S	, 10 Nicholas street
Smith, Miss H	.3 Chichester street
Smith, Mr. John	Market square
Smith, Miss	.25 Chester street, Saltney
Smith, Mr. R. J.	. Aldford. Chester
Smith, Mr. T	. 73 Bouverie street
Smith, Mr. W.	. Glendale, Kilmorev park
Smith, Mrs.	,
Smith, Mrs Smyth, Miss Lyle	Barrowmore Hall, near Chester

Sparling, Rev. W., M.AUpton Vicarage, Chester	
*Spencer, Mr. I. H 36 Bridge street	
*Spencer, Mr. J. H	
Stevens, Mr. T14 Eastgate row	
Charact Man	
Stewart, Mrs 13 Stanley place *Stolterfoth, Dr., M.A., J.P. 1 Grey friars	
*Stolterioth, Dr., M.A., J.P Grey mars	
Stolterioth, Mrs,	
Stolterfoth, Miss,	
Stonex, Rev. F. Tilney, M.A Abbot's Grange, Liverpool road	
Storr, Mr. F 21 The Groves	
Storr. Miss	
Stolterfoth, Mrs. ,, Stolterfoth, Miss ,, Stolterfoth, Miss ,, Stonex, Rev. F. Tilney, M.A Abbot's Grange, Liverpool road Storr, Mr. F. , 21 The Groves Storr, Miss ,, Storrar, Mr. Jas., M.R.C.V.S 4 Park street	
Storrar Mice Teccio	
Storrar, Miss Jessie	
Storiar, Mr. Andrew Divininon, Chicaester street	
Storrar, Mrs. Jas Newgate Street House	
Strong, Mr	
Sumner, Mrs. ASouth view, Eaton road	
Tasker, Mr. W	
Tatlock, Rev. Canon21 St. John street Taylor, Mr. Hy. Enfield, J.P., M. Inst. C.E., Grey friars House	
Taylor, Mr. Hy, Enfield, I.P., M. Inst. C.E., Grev friars House	
Taylor Mr Frank	
Taylor, Mr. Frank	
Taylor Mr. I. C.	
Taylor, Mr. J. G, ,,	
Taylor, Miss	
Laylor, Mr. John	
Taylor, Mr. A. G 6A Woodsome rd., Highgate rd., London, N	ı.W.
Taylor, Mr. Hy., F.S.A 12 Curzon park	
Taylor, Mrs. G Bold square	
Thomas, Mr	
Thomas, Dr. E. J. Haynes	
Thomas, Miss	
Thomas, Miss,	
Thomas, Miss Constance	
Thomas, Miss Constance	
Thomas, Miss Constance ,, Thomas, Miss F. M. ,, Thomas, Mr. Maurice ,4t Halkyn road, Hoole	
Thomas, Miss, " Thomas, Miss Constance, " Thomas, Miss F. M, " Thomas, Mr. Maurice	
Thomas, Miss, "Thomas, Miss Constance, "Thomas, Miss F. M. "Thomas, Mr. Maurice, 41 Halkyn road, Hoole Thomas, Mr. Felix, Churton road, Tarvin road Thomas, Mr. E, H. The Industrial Schools. Boughton	
Thomas, Miss Constance "Thomas, Miss Constance "Thomas, Miss F. M. "Thomas, Mr. Maurice 4t Halkyn road, Hoole Thomas, Mr. Felix Churton road, Tarvin road Thomas, Mr. E. H. The Industrial Schools, Boughton Thomas Mr. W. C. "S Northerto street."	
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Thomas, Miss Constance "Thomas, Miss Constance "Thomas, Miss F. M. "Thomas, Mr. Maurice 4t Halkyn road, Hoole Thomas, Mr. Felix Churton road, Tarvin road Thomas, Mr. Elix Churton road, Tarvin road Thomas, Mr. W. C. 58 Northgate street Thompson, Mr. Hy. Brightholme, Curzon park Thompson, Mrs. "Thompson, Mrs. "Thompson, Mrs. "Thompson, Miss I. Cambrian view Thornthwaite, Miss E. M. c/o Mrs. Hincks, Northgate street Tilston, Miss I. King's buildings Tomkinson, Mr. Jas., J.P. Willington Hall, Chester Tomlin, Mrs. Thorpe villa, Liverpool road Tomlin, Miss Edith Clarabel "Tomlin, Miss Edith Clarabel "Tomshend, Mr. C. W., J.P. Trevallyn, Wrexham	
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Thomas, Miss Constance "Thomas, Miss Constance "Thomas, Miss F. M. "Thomas, Mr. Maurice 4t Halkyn road, Hoole Thomas, Mr. Felix Churton road, Tarvin road Thomas, Mr. Elix Churton road, Tarvin road Thomas, Mr. W. C. 58 Northgate street Thompson, Mr. Hy. Brightholme, Curzon park Thompson, Mrs. "Thomson, Miss I. Cambrian view Thornthwaite, Miss E. M. c/o Mrs. Hincks, Northgate street Tilston, Miss I. I King's buildings Tomkinson, Mr. Jas., J.P. Willington Hall, Chester Tomlin, Mrs. Thompson, Mrs. Edith Clarabel "Tomlin, Miss Edith Clarabel "Tomlin, Miss Edith Clarabel "Tomlin, Mrs. Shotwick park, Chester Trelawny, Mr. H. D., J.P. Shotwick park, Chester Trelawny, The Hon, Mrs.	
Thomas, Miss Constance "Thomas, Miss Constance "Thomas, Miss F. M. "Thomas, Mr. Maurice 4t Halkyn road, Hoole Thomas, Mr. Felix Churton road, Tarvin road Thomas, Mr. Elix Churton road, Tarvin road Thomas, Mr. W. C. 58 Northgate street Thompson, Mr. Hy. Brightholme, Curzon park Thompson, Mrs. "Thompson, Mrs. "Thompson, Mrs. "Thompson, Miss I. Cambrian view Thornthwaite, Miss E. M. c/o Mrs. Hincks, Northgate street Tilston, Miss I. King's buildings Tomkinson, Mr. Jas., J.P. Willington Hall, Chester Tomlin, Mrs. Thorpe villa, Liverpool road Tomlin, Miss Edith Clarabel "Tomlin, Miss Edith Clarabel "Tomshend, Mr. C. W., J.P. Trevallyn, Wrexham	
Thomas, Miss Constance "Thomas, Miss Constance "Thomas, Miss F. M. Thomas, Mr. Maurice 41 Halkyn road, Hoole Thomas, Mr. Felix Churton road, Tarvin road Thomas, Mr. Felix Churton road, Tarvin road Thomas, Mr. E. H. The Industrial Schools, Boughton Thompson, Mr. W. C. 58 Northgate street Thompson, Mr. Hy Brightholme, Curzon park Thompson, Mrs. "" Thomson, Miss I. Cambrian view Thonthwaite, Miss E. M. c/o Mrs. Hincks, Northgate street Tilston, Miss I. Iking's buildings Tomkinson, Mr. Jas., J.P. Willington Hall, Chester Tomlin, Mrs. Thorpe villa, Liverpool road Tomlin, Miss Edith Clarabel "" Tomlin, Miss Edith Clarabel "" Tomlin, Miss Edith Clarabel "" Tomlin, Mrs. Shotwick park, Chester Trelawny, Mr. H. D., J.P. Shotwick park, Chester Trelawny, The Hon. Mrs. "" Tushingham, Mr. T. 44 Brook street Tyrer, Mrs. Alfred Plas Newton, Chester	
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*Walker, Mr. A. O., J.P., F.L.S.	. Nant-y-Glyn, Colwyn Bay
Walker, Mrs	
Walker, Miss	, 23 Liverpool road
Ward, Miss	. 18 Eaton road
Watts, Mr. C. T. F.	.The Grosvenor Museum
Way Mr. N. A. F.	. I Stanley street
Weaver, Mr. W. M.	. Westminster buildings
Weaver, Mr. Thos	Fern Cottage, Christieton
*Webster, Mr. G. Watmough, F.	C.SBrook lodge, Brook lane
Webster Mr Sirrell M	and the same of th
Webster, Miss. Amy B	. 30 St. Martin's-in-the-fields
Wells, Mr. E	. Eccleston, Chester
Wells, Mr. E. Wells, Mr. George J. J., F.I.C. *Welsh, Mr. John, F.C.S.	.77 Parkgate road
*Welsh, Mr. John, F.C.S	12A Seller street
Westminster, His Grace The Dul	ke of, K.G., Eaton, Chester
Westminster, Her Grace The Du	chess of
Whichello, Mr. H., M.R.C.S	The Mount, Tattenhall, Chester
White, Miss E	13 Abbey street
Whiteley, Mr. F	Helshy, Warrington
Whiteley, Miss M. L.	20 Sealand road
Wigg, Mr. Charles	Hoole bank Chester
Wigg, Mr. Walter J	The Firs Newton
Wilbraham, Miss E.	" King's huildings
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Wilbraham, Miss F	40 Cambrian view
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Wilkinson, Miss Jane	Westminster buildings
Williams, Mr. John	A har cottage Saltney
Williams, Rev. J. R., M.A.	Pulford Rectory Wreybam
Williams, Rev. J. R., M.A	. Fulloid Rectory, Wiexham
Williams, Miss	6 Feton word
Williams, Mr. R. J	of Westerness Goes
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Williams, Mr. James	Egerton house, Hoole load
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Wiseman, Mr. C.	. The Poplars, Dee Danks
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Wood, Mr. R. Stewart	. Eccleston, Chester
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Wood, Mr. T. H	.23 Grosvenor street
Wood, Mrs. A	c/o Miss Tilston, I King's buildings
Woodfin, Miss	. 26 Lorne street
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Wright, Mrs* *Wynne, Mr. Geo. F	
*Wynne, Mr. Geo. F	Plas Gwyn, Minera, Wrexham
Wynne, Mr. J. H	.41A Tarvin road
Wynne Mrs.	
Wynne, Mr. John	Waverton, Chester
Yeadon, Mr. Thos	28 St. Anne street
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Terbuigh, Mis	1



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*** The New Edition of the Catalogue of Books in the Society's Library is now published, and may be obtained at 4, Eastgate Row; or from the Museum; price 3d. each.

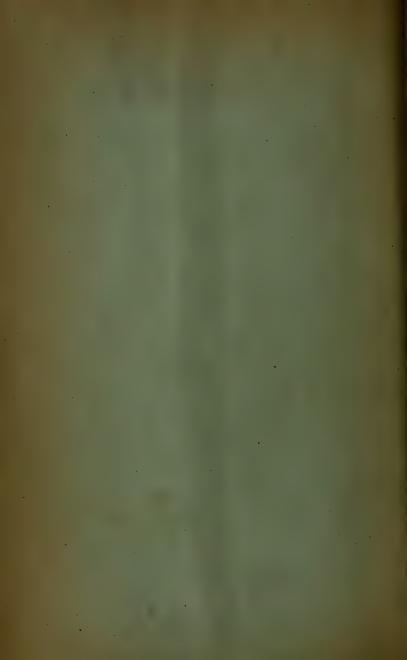
Copies of Nos. II. and III. of the Society's Proceedings (price 2/6 each), and No. IV. (5/-), may be obtained at the Museum.

No IV. Copy (recently published) contains exhaustive and interesting Papers on "The Silurian Rocks of North Wales," and "Caves and Cave Deposits" (by PROF. MCKENNY HUGHES, F.R.S.); "The Chester Mysteries" (by MRS. HENRY SANDFORD); "The Climate and Natural History of the District" (by MR. A. O. WALKER, F.L.S.); "The Heron and Heronries of Cheshire and North Wales" (by MR. R. NEWSTEAD, F.E.S.); "Subterranean Erosion and some of its effects" (by MR. W. SHONE, F.G.S.); "Birds of West Cheshire, &c." (by DR. W. H, DOBIE), &c., &c.









CHESTER

Society of Patural Science & Literature

(Founded by Charles Kingsley, 1871.)

TWENTY-SEVENTH

ANNUAL REPORT

AND

STATEMENT OF ACCOUNTS,

FOR THE YEAR 1897-98.



PRINTED' BY G. R. GRIFFITH, GROSVENOR STREET.

MDCCCXCVIII







CHESTER SOCIETY

OF

NATURAL SCIENCE AND LITERATURE

(FOUNDED BY CHARLES KINGSLEY, 1871.)

TWENTY-SEVENTH

ANNUAL REPORT

AND

STATEMENT OF ACCOUNTS FOR 1897-98,

AND THE

LIST OF MEMBERS FOR 1898-99;



AT.SO

A LIST OF THE KINGSLEY MEMORIAL PRIZES OFFERED FOR COMPETITION, &c.

CHESTER:

PRINTED BY G. R. GRIFFITH, "THE CASTLE" PRINTING WORKS.

MDCCCXCVIII.



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Assistant=Secretary : Mr. T. HIGGINSON.

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RULES.

1. - That the Title of this Society be " The Chester Society of Natural Science and Literature," and that its objects be the promotion of the study of Natural Science and Literature by Lectures, Field Meetings, the Reading and Discussion of Papers, and other suitable means.

2.—That the Officers be a President, Eight Vice-Presidents, Treasurer, One Scientific Secretary, Two General Secretaries, a Chairman and Secretary for each Section (nominated by the Section), and a Librarian.

3. -That the Committee consist of the above-named Officers, and of Twelve other Members of the Society; and that the practical management of the

Society be vested in such Committee, subject to the following Rules:—
4.—The name of any Candidate for Membership of the Society, with those of a Proposer and a Seconder, must be sent in writing to the Secretaries or Treasurer for the Committee, and shall be by them submitted for election at the next ensuing General Meeting; and when elected the Candidate shall become a Member upon payment of the Annual Subscription.

5.—That the Subscription by 5/- per annum, payable in advance, and due the 1st of May in each year. Any person duly elected may become a Life Member upon payment of £5.

6.—That distinguished scientific men, or any persons who may render special service to the Society, may be elected Honorary Members or Corresponding Members, on nomination by the Committee. The number of Honorary Members

7. That each Member shall be allowed to introduce one non-resident friend may not exceed Thirty. at any of the General Meetings, except at the Annual General Meeting; but a Member may introduce a friend, whether resident in Chester or not, at any of the Sectional Meetings. The Chairman and Secretary of each Section, may, on application, allow a Member to introduce more than one friend to their own

8.-That any Member desirous of withdrawing from the Society, shall give Sectional Meetings notice (in writing) to either of the General Secretaries, before the end of the financial year. In the absence of such written notice the Member shall be

liable for the current year's Subscription and all arrears.

9.—The names of Members whose Subscriptions are two years in arrear, after a final application has been made by the Secretaries or Treasurer, shall be

erased from the list of Members. 10.-A General Meeting shall have the power of expelling any Member whose conduct they deem objectionable, providing special notice has been given on the Society's Circular convening the Meeting, and that at least two-thirds of the Members present agree thereto.

11 .- That the Committee shall meet monthly for the despatch of business.

Five Members shall form a quorum.

12.-That the Committee shall arrange General Field Meetings during the The place of meeting shell be fixed by the Committee, and due notice be given by the General Secretaries. In case of bad weather, the Members of the Committee present shall decide whether such meetings be postponed or not.

13.—That the Committee shall also arrange at least six General Evening

Meetings in the year, at which Papers shall be read and discussed. No Paper shall be read without the previous sanction of the Committee. Objects of

scientific interest may be exhibited at these Evening M-etings.

14. That the Annual General Meeting of the Society shall be held in the month of May. At this Meeting the Officers and Committee of the Society, and two Auditors for the ensuing year, shall be elected. If the number of nominations for any office exceeds the number of vacancies the election shall be by Ballot. The Officers' Reports and Financial Statement, made up to the end of April, and duly audited, shall also be submitted, and read if desired.

15.- Nominations for the Committee and Auditors shall be sent in writing to either of the General Secretaries at least ten clear days previous to the

Annual General Meeting.

16.—The names of all persons to be submitted to the Annual General
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16.—The names of the names of the name of the Meeting, for the information of Members, who shall be apprised of such publication on the Notice convening the Meeting.

17.—The Committee shall fill any vacancy that may occur before the next

28.—Any proposed alterations in the above Rules shall be notified to either Annual General Meeting. of the General Secretaries at least ten clear days before the Annual General Meeting, and shall only be adopted if sanctioned by at least two-thirds of the Members present. No alteration in these Rules shall otherwise be made.

ANNUAL REPORT.

THE Committee of the Chester Society of Natural Science and Literature have the pleasure of again presenting to its Members the Annual Report. The Society has now carried on its work for twenty-seven years. The past year has been remarkable for a large increase of the ordinary Members—ninety-four new names being added to the list—showing that the general usefulness of the Society, and the work which it is doing, are appreciated by our citizens.

We have to record with regret the great loss our Society has sustained during the past year in the death of its well-known Member, Mr. E. J. Baillie, F.L.S. His admirable knowledge of Botany and Horticulture was always at the service of our Society, whilst his list of the Flora of the neighbourhood of Chester still remains as a memorial of his steady work. In addition to being a Member of our Committee, and Treasurer of the Kingsley Memorial Fund, Mr. Baillie was one of the moving spirits and workers amongst those who brought about the erection of the Grosvenor Museum, and to the last he identified himself with all its interests, and was always ready with counsel and judicious help.

The Library and Museum are in good order, and reflect the highest credit on our Curator, Mr. Newstead, who never lets an opportunity escape him of securing useful works for the Library and additions to the Museum, so that we may hope in time to have a model local collection; and here I may quote a passage from Sir W. H. Flower's "Essays on Museums and other subjects connected with Natural History":—"Before long a well-arranged and well-"labelled Museum will be acknowledged as a necessity in

"any well considered scheme of educational progress. The "Museum and Library will go hand in hand as essential "complements to each other in the advancement of Science and Art and intellectual development generally. A book without illustrations is of comparatively little value in teaching many of the most important subjects now comprised in general education. A Museum should be a "book, or rather a library of books, illustrated not by "pictures only, but by actual specimens of the objects "spoken of."

It may be of interest to our Members to know that the Board of Agriculture has lately been consulting our Curator on the subject of the San José Scale Insect, which at one time it was feared might become a pest in this country. Mr. Newstead's intimate knowledge of scale insects has, I hope, been of service to the Board. The study of these minute pests has been with him the work of many years, and I think our Society may be justly proud to have a Curator who is certainly one of the best living authorities on this subject.

The Kingsley Memorial Fund Account will be placed before the Meeting, with a detail as to how the Account now stands.

The Diamond Jubilee Commemoration of the 60th Year of Her Majesty's Reign, to a certain degree interrupted the usual work of our Society; but this can in no way be regretted, seeing that the peace and prosperity enjoyed during this long reign have tended materially to the advancement of Science and Art in all their branches, adding not a little to the sum of human happiness.

The financial position of the Society will be placed before you by our Honorary Treasurer, Mr. John Simon.

The arrangements by which the Society carries on its work will be considered under the following heads:— EXCURSIONS, CONVERSAZIONE, LECTURES, and SECTIONAL

MEETINGS. There were six Excursions during the Season to the following places:—

1897.

May 27th The Coombes, Broxton.

Tune 11th Shotwick.

June 16th.....Bodorgan-Annual Excursion.

July 14th Aston Hall Colliery and Hawarden.

July 19th...... Delamere Forest and Meres.

Sept. 8th.......Helsby—Works of the Telegraph Manufacturing Company, Limited.

These Excursions were well attended, and in the hope of stimulating our younger Members, our President, Mr. T. Shepheard, F.R.M.S., offered three prizes—in Botany, Geology, and Zoology, of £5 each. This was a very generous offer on his part, and ought to have led to some good results in the more diligent research and study of our own surroundings.

The Annual Conversazione was held on the 6th of October, 1897. There was a large gathering of Members, and the various exhibits were quite equal to those of previous years. LADY LETTICE GROSVENOR was kind enough to make the presentations. The Kingsley Memorial Medal was this year awarded to W. HENRY DOBIE, ESQ., M.B., for his admirable Paper on the Birds of the District, which has added considerably to our knowledge, and has brought into a definite group one of the most interesting of our native The Kingsley Memorial Prize was awarded to Mr. Alfred Newstead for his collection of life-histories of Insects. The President's special Jubilee Prize was awarded to Mr. A. E. GOODMAN for his collection of Microscopic Botanical preparations. In replying to a vote of thanks to LADY LETTICE GROSVENOR, GEORGE WYNDHAM, Eso., M.P., gave us one of his interesting and instructive addresses, which are always greatly appreciated by our Members. Amongst special objects of interest, Mr. Spencer showed Ive's coloured photographs, an exhibition quite new to many of our Members.

During the past Winter there have been the following General Meetings:—

1897.

Oct. 28th—"Spiders—their Work and Wisdom," by the REV. Dr. DALLINGER, F.R.S.

Nov. 25th—"The Caves of New South Wales," by the Rev. H. D. ROBERTS. 1898.

Jan. 27th—"The Photochromoscope and Krömscöp, with explanations," by Mr. J. D. SIDDALL.

Feb. 24th—"Life and Death of Worlds," by Mrs. RICHARD A. PROCTOR.

Mar. 31st—"The Cinematograph and Photochromoscope, illustrated and
explained," by Mr. J. D. SIDDALL.

Apr. 28th-Exhibition of Spring Flowers, by the Paxton Society.

May 12th-Annual Meeting.

All these Lectures have been well attended. Mr. Siddall, has twice brought before the Society that most wonderful of all modern discoveries, which enables the eye to see photographs as nearly as possible in their natural colouring. Although the problem of Colour Photography has not yet been solved, we are enabled, in a measure, to guess what it will be like when the secret is revealed. Besides Ive's invention we have been able to examine coloured photos by Prof. Joly's screens.

The various Sections of the Society have met during the past winter, and a detailed report of what has been done will be furnished by the respective Secretaries.

Your Committee have met sixteen times for the carrying on of the general business of the Society. These Meetings have been well attended, and the new Members elected at the last Annual Meeting have assisted considerably in carrying on the work of the Society. It is only by the help of *all* our Members that we can ever hope to make our Society a great moving and intellectual centre in this district. Therefore, we welcome with pleasure all those who will contribute the result of their studies and their scientific investigations. Your Committee trust that they have so far arranged the affairs of the Society, as to

stimulate inquiry and promote that helpful fellowship which is sure to bring satisfactory results.

Our best thanks are due to the Officers of the Society, and those of the Sections, for the able way in which they have conducted the various departments over which they have presided during the past year.

> HENRY STOLTERFOTH, M.A., M.D., Hon. Scientific Secretary.

MAY 12TH, 1898.

ANNUAL MEETING, MAY 12TH, 1898.

The Reports and Accounts for the past year were submitted and adopted;

On the Motion of the retiring President (MR. T. SHEPHEARD), MR. J. D. SIDDALL was unanimously elected President of the Society for the ensuing year, and delivered his Presidential Address;

The list of General and Sectional Officers duly nominated for the ensuing year was submitted, and twelve Elective Members of Committee balloted for; and a very hearty vote of thanks accorded to the Officers of the Society for their successful conduct of its affairs.



CURATOR'S REPORT.

THE following is an abstract of the Species and Specimens:—

ABSTRACT OF THE RE	PORT.		Species Presented and Purchased.	Total of Species.	Total of Specimens.
Geology		 	4	4	22
Botany (Plants, &c.)		 	34	34	99
Protozoa (Corals, &c.)		 	12	12	37
Diptera (Two-winged Flies)		 	14	14	19
Lepidoptera (Moths and Butter)	flies)	 	2.4	24	56
Coleoptera (Beetles)		 	29	29	44
Neuroptera (Dragon-flies, &c.)		 	1	I	I
Hymenoptera (Bees and Wasps)		 	31	31	79
Mollusca (Shells, &c.)		 	3	3	25
Pisces (Fish)		 	7	7	9
Reptilia (Snakes, &c.)		 	I	1	I
Nests and Eggs		 	20	20	84
Aves (Birds)		 	19	19	22
Mammalia (Animals)		 	5	5	6
Miscellaneous		 		_	40
Total		 	204	204	544

Compared with previous years, the number of additions is not great, but they include many rare and interesting species; and we are again pleased to offer our sincere thanks to those Field-Naturalists who have done so much for us in helping to build up our local collections, and in furnishing us with information relating to our Flora and Fauna. It is only by such aid that we can hope to form a thoroughly representative collection, and place on record the habitats of the plants and animals around us.

MR. ARKLE has constantly added to the *Lepidoptera*, and MR. A. O. WALKER to the *Colcoptera* and other orders. In the *Mollusca* our greatest help has come from MR. CHAS. OLDHAM; and we are also indebted to him and his colleague, MR. T. A. COWARD, for their interest in the *Mammalian* and *Avian Fauna*. We must also acknowledge our indebtedness to DRS. W. H. and HERBERT DOBIE, for their interest

in the Birds of the district, and through whose instrumentality we have been able to make the most valuable addition—from the Hon. Charles Wynne—of a Roughlegged Buzzard (*Beuteo vulgaris*); and the valued services of Mr. R. J. Smith, in procuring for us certain desiderata, cannot be over-estimated. By purchase we have also been fortunate in procuring a specimen of the Little Gull (*Larus minutus*.)

By purchase also our Geological series has been much enriched by a notable collection of Fossil Footprints, from Storeton, which makes our series one of the finest in the country. Your Curator has also been pleased to add a slab of Saurian Footprints and Tail Tracks, from a new locality at Eddisbury.

Six glazed cases, kindly presented by Mr. J. D. SIDDALL, have been fitted with a series of Geological specimens, specially selected for teaching purposes, to be loaned to institutions in the city; and we are glad to say they are now lodged at the Queen's School, where we hope they will be of educational value and interest.

LIST OF DONORS AND ADDITIONS.

GEOLOGY,								
						Species.	Spe	cimens.
Mr. Morphy			• 1			I	-	1
The Curator						I	_	I
Mr. Edward William	ns					2		20
	2021			•				
	BOTA	IA X ()	Plants	, &c.)				
Miss Margaret T. G	riffith					31	• •	96
Mr. A. O. Walker						2		2
Dr. White						I		1
	DDOMO		10	1- 0-				
	PROTO	ZUA	Cora	ıs, &c	.)			
Capt. C. W. Fieldin	g					12	• •	37
DIE	TERA	(Two	-win	ged F	lies	.)		
Mr. J. Arkle						12		17
Mr. R. J. Smith						2		2

LEPIDOPTERA (Moths and Butterflies.)

					5	Species.	Spec	imens.
Mr. J. Arkle						13		29
Mr. E. J. Baillie (the lat						I		I
Mr. A. E. Caldecutt						I		I
Mr. Day						I	• •	I
Mr. Gardner				• •		1		I
Mr. A. E. Goodman						I		2
Miss Massey						1		I
Mr. R. J. Smith						5	• •	20
· ·								
CO	LEOR	PTEF	RA (B	eetles	5.)			
Mr. F. R. Bolland						2		5
Mr. J. F. Dutton					• •	9		20
Mr. A. E. Goodman						I		I
Master John Newstead						2		2
Mr. A, O. Walker						15		16
		/	_	753	0			
NEURO	PTE	RA (.	Drago	n-FI	ies, &	rC.)		
Mr. J. Arkle		**.	• •		• •	1	• •	1
Y 7 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ו ייירו	א כדה	/Bass	bac	77725	ne l		
HYMENO	JELE	AM	(Dees	anu	xx as			
Mr. J. Arkle	• •		• •	• •	• •	3	• •	4
The Curator	• •	• •	•• 1	• •	• •	4	• •	6
Mr. J. Lyon Denson		• •	• •	• •	• •	5	• •	15
Mr. George Dutton	• •	• •	• •	•• ,	• •	I	• • •	12
Mr. Fairlie	• •	• •		• •	* *	3	••	3
Mr. A. E. Goodman	• •	• •	• •	• •	• •	3	• •	6
Mr. Shaw			• •	• •		I	* *	I
Mr. Richard Simpson	• •	• •	• •	• •	• •	I	• •	9
Mr. R. J. Smith	• •	• •	• •	* *	• •	9	• •	22
Mr. William Weaver	• •	• •		••	* *	I	• •	I
м	OLLU	JSCA	She	lls, &	c.)			
Mr. Chas. Oldham			`			1		6
Miss Payne	••				• •	2	• •	19
Wiss Layne,	••	•••						
	PISC	ES	(Fish,	&c.)				
Mr. J. Bairstow						1		I
Rev. Thomas Cox						I	• •	I
Dr. H. Dobie						I		I
Mr. John Guy					• •	2		3
Mr. E. Wells						I	• •	1
Purchased			• •			I	• •	2
	~ ~~	* * * *	(Co.c.)		-01			
	EPTI	LIA	(Snak	ses, o	()			
Mr. R. J. Smith	• •	**.	• •	**.	• •	I	2.	1

NESTS AND EGGS.

						Species.	Spe	cimens.	
Dr. W. H. Dobie						I		8	
Mr. Fairlie						I		3	
Miss Lloyd Fletcher	• •					1		I	
Mr. Hannah						2		3	
Mrs. Kenyon						1		I	
Mr. R. Newstead, senr.						I		4	
Mr. Chas. Oldham						2	• •	8	
Mr. Rogers					• •	I.		5	
Mr. R. J. Smith	• •		• •	• •	• •	10	• •	51	
	AV	ES (I	3irds.)					
Mr. G. C. Alletson						1		1	
Mr. W. H. Barnes						2		2	
Mr. H. Denton Clark						I		1	
Dr. W. H. Dobie						1		2	
Mr. Dumfee						I		1	
Rev. T. J. Evans						I		1	
Mr. Garland	• •					ī		I	
Mr. A. Monk						I	• •	I	
Mrs. Naylor					• •	I	• •	E	
Mr. Roberts				• •		I		1	
Mr. Shaw	• •			• •		I	• •	I	
Mr. R. J. Smith	• •	• •	• •		• •	3	• •	5	
Mr. Weaver		••			• •	I	• •	I	
Mr. E. Wells			• •	* *		I		I	
His Grace The Duke of		ninster	• •	• •	• •	1	• •	1	
The Hon. Charles Wynn	.e	• •	• •	• •	• •	I	• •	1	
Purchased	• •	••	• •	* *	••	, I	• •	I	
MA	MAMMALIA (Animals.)								
Mr. E. J. Baillie (the lat	e)					I		I	
Mr. Chas. Oldham	• •		• •	••		I	• •	2	
Miss Parker				• •	• •	1		I	
Mr. G. H. Rogerson						I	• •	I	
Mr. Youd	٠٠,		••	• •	• •	I	• •	I	

MISCELLANEOUS.

- Mr. J. D. Siddall—Six Cases containing Geological Specimens, to be used for Teaching purposes.
- Mr. R. J. Smith-Potato growing in (illum) of Mammal.
- Mr. G. E. Wright-Collection of Mosses for Teaching purposes.

ROBT. NEWSTEAD, F.E.S.,

Curator.

MAY 12TH, 1898.

SECTIONAL REPORTS.

BOTANICAL.

During the past Session the Botanical Section has held a series of Five Popular Lectures in the Lecture Theatre of the Museum, which have been, on the whole, fairly well attended.

The dates, subjects of the Lectures, as well as the names of the Lecturers, are as follows:—

1897.

Nov. 4-"How to make out the Names of Wild Flowers," by Mr. J. D. SIDDALL.

" 18-" Stems and their Structure," by Mr. A. E. GOODMAN.

Dec. 2-" Grains and Grasses," by MR. J. D. SIDDALL.

1898.

Jan. 6-" Ancestors of Plants," by MISS E. MACDONALD.

" 20—" Snowdon and its Flora: a Study in Distribution," by Mr. J. LLOYD WILLIAMS.

A. E. GOODMAN.

MAY 12TH, 1898.

Secretary.

ZOOLOGICAL.

Two Meetings were held on the following dates:-

Jan. 13:—Notes and Observations, by Mr. A. O. WALKER, F.L.S.,
DR. W. H. DOBIE, Mr. J. ARKLE, and the Curator (Mr.
NEWSTEAD.)

This was the usual Annual Meeting of the Section, and was well attended. Many of the records given by the various authors were of exceptional interest and value, and will probably form the nucleus of more extended papers hereafter. The Curator, Mr. R. Newstead, exhibited a unique series of photographs from life, of the Long-eared Bat (*Plecotus auritus*); and Dr. W. H. Dobie and Mr. Arkle also exhibited specimens to illustrate their papers.

April 14.—"The American Fruit Pest Scare" (The San José Scale Insect—
Aspidiotus perniciosus, C.) Illustrated by Lantern Slides and
Specimens, by the Curator, Mr. R. Newstrad, F.E.S.

The Lecturer stated the American Fruit Pest Scare originated with the action of Germany in the early part of the year, when that country passed a law forbidding the importation of infested fruit, since which time nearly all

the European Governments had taken the matter into consideration. He had twice been consulted by the Board of Agriculture in the matter, and had been able to fully satisfy them that the insect had not established itself in this country either upon fruit trees or cultivated plants of any kind, whether grown in the open air or under glass, or upon indigenous plants.

Mr. Newstead's opinion is entitled to the fullest consideration, for it is based upon many years of practical experience in plant and fruit culture, and nine years of scientific investigation of the injurious insects of this country. He thinks the insect is much more likely to establish itself here on imported plants, and suggests that such consignments should be rigorously inspected by experts; but is of opinion, however, that the pest will not thrive in this country as in America, and that if it should establish itself here it will become single-brooded like all the indigenous *Coccidæ* of Great Britain.

W. F. J. SHEPHEARD,

MAY 12TH, 1898.

Secretary.

GEOLOGICAL.

During the past Session there has been one Meeting of this Section (on December 9th), when Mr. A. W. Lucas, F.G.S., gave some account of the Liassic Formation, and its exposures in Dorsetshire, Lincolnshire, and especially at Whitby in Yorkshire. Numerous interesting Fossils of the various forms of life which are characteristic of these rocks were exhibited, many of them recently brought from Whitby and the locality.

EGERTON GILBERT,

MAY 12TH, 1898.

Secretary.

NATURAL PHILOSOPHY.

During the last Session two Papers have been read in this Section, one by Mr. J. A. McMichael, B.A., B.Sc., on March 3rd, entitled: "Modern Developments of Electricity," and the other by Mr. J. Bairstow, F.C.S., "An hour in a Chemical Factory," on April 21st.

Both Papers were well illustrated with Lantern Slides (Mr. McMichael's being also illustrated with experiments), and were of a very interesting character. The Meetings were very fairly attended.

The Lecture on "Horseless Carriages" (February 10th), by Mr. E. Shrapnell Smith, was also given on a night belonging to this Section, but should perhaps be considered

a General Meeting.

W. F. LOWE,

MAY 12TH, 1898.

Secretary.

MICROSCOPICAL.

This Section has held no Special Meetings during the past Session, but contributed as usual to the success of the Conversazione and several other Meetings when Microscopes were required.

J. D. SIDDALL,

MAY 12TH, 1898.

. Secretary.

PHOTOGRAPHIC.

Although the Photographic Section as such has only been able to hold three Meetings during the Session, the Meetings of the parent Society have been of such a character as to make the Session 1897-8 in a great measure a photographer's session. At the Annual Conversazione the Section had an exhibition of members' work, and the Krömscop (Mr. Ive's method of Colour Photography) was shown and explained. The exhibition of Animated Photography by MR. SIDDALL was an attractive feature of the Conversazione. The Photochromoscope (Mr. Ive's instrument for throwing his colour photographs on the screen as lantern slides), has also been exhibited, together with Professor Joly's method of photography in the colours of nature. It will thus be seen that the Members of the Section have had unique opportunity to become acquainted with the latest developments of the photographic art. The Section has also, by invitation, contributed to the important Photographic Exhibition recently held in Manchester, the work comparing very favourably with that of other Societies.

On January 14th a collection of Lantern Slides by Members of the Section were passed through the Lantern, the following contributing slides:—Dr. Stolterfoth, Lieut.-Col. Dowdall, Messrs. W. Shepheard, R. Newstead, J. A. McMichael, Taylor, D. Jones, J. D. Siddall, and the Secretary. On March 17th the Chairman, Dr. Stolterfoth, gave an interesting lecture, "A New Method of Micro-Photography," which was a lucid exposition of a simplified method of obtaining photographs of minute bodies by means of microscope and camera.

The Annual Meeting of Members of the Section was held April 25th, 1898. The following officers were elected:—Chairman: Dr. Stolterfoth; Secretary and Treasurer: Mr. J. H. Spencer; Council: Lieut.-Col. Dowdall, Messrs. P. K. Allen, E. G. Ballard, F. Evans, A. Lamont, junior, F. W. Longbottom, J. A. McMichael, W. F. J. Shepheard, and C. W. Townshend. The Meeting resolved that use of the Dark Room or Enlarging Lantern be confined to Members of the Natural Science Society who have paid the current year's subscription of one shilling to the Photographic Section.

At the conclusion of the business meeting a Demonstration of the Carbon Process of Photographic Printing, &c., was given by Mr. W. H. Fromont whose skilful manipulations were followed with great interest by the Members present. Votes of thanks were accorded to Mr. Fromont, and to Messrs. Elliott & Son, Barnet, who kindly supplied most of the material for the Demonstration.

STATEMENT OF ACCOUNTS.

RECEIPTS. £ s. d. To Balance from 1897 o 18 o½ ,, Members' Subscriptions o 13 o	PAYMENTS. £ s. d. By Incandescent Gas Lamp for Enlarging Lantern, Standard, Reflectorand Tray 0 17 6 ,, Carriage to Manchester,
<u>£1 11 01</u>	Telegram, and Postages o 6 10\frac{1}{2} ,, Balance o 6 8

J. H. SPENCER,

MAY 12TH, 1898.

Secretary.

LITERATURE.

MEETINGS-

1897.

Nov. 11.—"Coleridge: 'Ancient Mariner.'"—The Secretary.

1898.

Feb. 17.—Special Meeting. Lecture on "Matthew Arnold," with Lantern Slides.—Mr. HARPER GAYTHORPE.

Mar. 24.—"The Personality of Coleridge, as reflected in his Poems."—MRS. HENRY SANDFORD.

The Meetings have been well attended. Mr. Gay-Thorpe's Lecture was illustrated by a large number of slides, illustrating places and scenes in connection with Matthew Arnold's life and poems. A special interest was attached to the Paper on Coleridge, by the Authoress of "Thomas Poole and his friends."

ARTHUR H. FISH,

MAY 12TH, 1898.

Secretary.

ASTRONOMICAL.

The past Session has not been specially note worthy; still it has marked some progress, and there are signs of a revival of interest in Observational Astronomy. Several of our members are engaged upon systematic work, and their influence is steadily spreading.

The officers did not feel justified in accepting all the dates for meetings so kindly placed at their disposal by the Committee, as they were anxious not to over estimate the demand for astronomical information; but the three Lectures given proved very acceptable. Dr. Whichello gave a most interesting one on the "Sun," followed by Mrs. Proctor on "Life and Death of Worlds," and the Session concluded with Mr. Plummer's suggestive address on "Meteors."

The Secretary of the Section (Dr. H. Dobie) has been compelled to resign through pressure of other duties, but will give his valued support to his successor.

F. W. LONGBOTTOM,

Secretary.

MAY 12TH, 1898.

PAXTON SOCIETY.

The Membership of this Society now exceeds 200, a number far beyond the expectations of those who started it a few years ago.

Its Annual Fruit and Chrysanthemum Exhibition is now recognised as one of the best Exhibitions of its kind in the provinces; and there is abundant evidence to show that the holding of this Exhibition has done a great deal towards encouraging Fruit Culture amongst Farmers, Cottagers, and others throughout Cheshire and North Wales.

During the past year the usual Course of Saturday Evening Meetings have been held as follows:—

1898.

Jan. 8-Social Gathering of Members and Friends.

,, 22-" Strawberry Culture," by MR. W. DISLEY.

Feb. 5-" Grape Growing for a private establishment," by MR. C. FLACK.

", 19-" Forest Entomology," with descriptive notes on Gall-mites,
Beetles, Sawflies, and other injurious Insects. Illustrated by
a series of Lantern Slides, by Mr. A. T. GILLANDERS.

Mar. 5-"SIR JOSEPH PAXTON"-A biographical sketch, by Mr. G. P. MILN.

" 19—"Conversational discussion on the preparation, planting, and tending of an Orchard." Introduced by Mr. J. MOSFORD, Hatton.

April 2—" Exhibition of Spring Flowers," with conversational discussion on same. Introduced by MR. ROBT. WAKEFIELD.

The average attendance at these exceeded that of any previous Session.

N. F. BARNES.

President.

NOTE.—The Annual Fruit and Chrysanthemum Exhibition will be held in the Town Hall, Chester, on 15th & 16th November, 1898. Schedules of Prizes and all particulars may be had from the Hon. Secretary, or from any Member of Committee.

The Hon. Treasurer in account with the Chester Society of Natural Science and Literature, for the Year ending April 30th, 1898.

β s, d, β s. d.	To Museum Management Committee— Proportion of cost of Maintenance 60 0 0 For use of Lantern 9 6 0	0 9 69	". Printing, Stationery, &c 36 0 9	" Expenses in connection with Excursions 23 13 3	"Expenses in connection with Lectures, Conversazione, &c 71 18 10	21 16 7	•	ecretary io o o Newstead io o o	20 0 0	oscriptions— Palæontographical Society I I o	cal Society I I o	2 2 0	£281 13 7	
£ s. d. Cr. 1897-8.	o 14 9 To Museum Mana; Proportion; For use of I		168 15 0 , Printing, Static	23 13 8 ,, Expenses in con	72 o 3 ,, Expenses in conne sazione, &c.	15 o o ,, Postages	" Salaries—	Assistant Secretary Mr. Alfred Newstead		" Subscriptions—	Entomological Society	11 6 1	6281 13 7	
Dr. £ s. d. £ s. d.	By Balance from last Account, Subscriptions— 624 for Voor 1807.8 (9 5).		11 ,, 1895-6 @ 5/ 2 15 0	" Receipts from Excursions	", Receipts from Lectures, Conversazione, &c Grant to Society's Natural History Museum from							1898-April 30thBalance due to Treasurer	(2)	

20

3rd Max, 1898—Examined and found correct,
C. R. ENOCK, C.A.,
BERESFORD ADAMS,

JOHN SIMON, HON. TREASURER.

HON. AUDITORS.

"KINGSLEY MEMORIAL" FUND.

Gr.	m & s. d. 2 11 0 0 0 2 11 0 0 0 9 5 5 0 0 1 0 0 1 0 0 1 0 0 0 1 0 0 0 0 0	£27 3 4	
ne Year ended 30th April, 1898.	chase of Collection of Fossil Footprints frostorton		MAV 1808-Examined and tound correct,
Dr. STATEMENT OF ACCOUNT for the Year ended 30th April, 1898.	1897-8. To Balance 8 5 4 By Pure Solidated Ordinary Stock 17 8 0 Cost Consolidated Ordinary Stock 17 8 0 Prize 110 0 Prize	Lo Balance in Bank 9 6 4	140

JOHN DAVIES.

HON. AUDITOR.

HON, TREASURER. G. P. MILN,

KINGSLEY MEMORIAL PRIZES

ARE OFFERED AS FOLLOWS :-

To any Resident in the Society's District.—A PRIZE not exceeding TEN POUNDS for the most valuable COLLECTION OF OBJECTS IN ANY ONE BRANCH OF NATURAL HISTORY made in the Society's District. The amount given will be proportionate to the quality of the Collection.

In addition to the above Prize, the Committee have decided that, in order to encourage scientific research, they will make Grants, from year to year, of sums not exceeding TEN POUNDS, out of the Kingsley Memorial Fund, for COLLECTIONS, ESSAYS, or NOTES OF OBSERVATIONS illustrating the NATURAL SCIENCE OF THE SOCIETY'S DISTRICT.

To Young People (not over 16 years old) the Children of Members, First Prize, £1 1s.; Second, 1os. 6d.; Third, 5s.; for:—

- (I) The best Collection of 100 Wild Flowers;
- (2) Ditto ditto of Land and Fresh-water Shells;
- (3) Ditto ditto of Butterflies and Moths.

All Collections must be made in Cheshire and North Wales, or the Seas adjoining thereto, by the persons competing.

The Collections, Essays, or Notes of Observations must be sent in to either of the General Secretaries on or before 1st September, and the awards will be made at the Conversazione next succeeding the adjudication.

NOTE.—The Committee have the option of retaining the successful Collections, &c., or any part of them, for the Society.

Intending Competitors can obtain all particulars, and the conditions under which the Prizes are offered, from either of the General Secretaries; and all Collections, &c., must be sent in to either of them on or before the 1st September in each year.

PAST PRESIDENTS.

1871 to 1875—Rev. Charles Kingsley, Canon of Chester. (Founder of the Society.)
1875 ,, 1891—PROF. T. MCKENNY HUGHES, F.R.S. ALFRED O. WALKER, ESQ., J.P., F.L.S. HIS GRACE THE DUKE OF WESTMINSTER, K.G. 1892-3 W. M. Dobie, Esq., M.D., J.P., F.R.A.S. W. M. Dobie, Esq., M.D., J.P., F.R.A.S. 1893-4 1894-5 1895-6 H. STOLTERFOTH, ESQ., M.A., M.D., J.P. H. STOLTERFOTH, ESQ., M.A., M.D., J.P. T. SHEPHEARD, ESQ., F.R.M.S. 1896-7

1897-8

KINGSLEY MEMORIAL MEDAL,

ESTABLISHED 1877,

"For having contributed materially to the promotion and advancement of some branch or department of Natural Science."—Vide Trust Deed. 1877—Mrs. Chas. Kingsley (In Memoriam)

1878-JOHN PRICE, M.A.

1879—SIR PHILIP DE MALPAS GREY-EGERTON, BART., F.R.S.

1880-Prof. T. McKenny Hughes, F.R.S.

1881—D. MACKINTOSH, F.G.S. 1882—ISAAC BYERLEY, M.R.C.S., F.L.S.

1883—George W. Shrubsole, F.G.S.

1884-ALFRED OSTEN WALKER, F L.S.

1885-John Davies Siddall.

1886—HENRY STOLTERFOTH, M.A., M.D. 1887-WILLIAM SHONE, F.G.S.

1888-THOMAS SHEPHEARD, F.R.M.S.

1889—Thos. Ruddy. 1890—Rev. Chas. Wolley-Dod, M.A.

1891-ROBERT NEWSTEAD, F.E.S.

1892—OSMUND W. JEFFS. 1893—EDMUND J. BAILLIE, F.L.S.

1894-W. MURRAY DOBIE, M.D.

1896-REV. ARTHUR H. FISH, B.A., B.Sc.

1897-WILLIAM HENRY DOBIE, M.B.

KINGSLEY MEMORIAL PRIZES,

ESTABLISHED 1877,

"For the reward, encouragement, and the advancement of the pursuit and study of Natural Science."-Vide Trust Deed.

1878 HELEN SMITH...... EDWIN W. OKELL £5 | Herbarium of Flowering Plants. Carboniferous Fossils. 1879—George Shrubsole ... 1881—E. HOPKINS...... Cryptogamous Plants.

1882—George Shrubsole .. IO Corals of the Mountain Limestone,

1886-ROBERT NEWSTEAD .. IO Hymenoptera.

1887 - JOHN LYON DENSON .. Notes on Observations illustrating the 5 Natural Science of the Society's

1888—LILIAN E. TOMLIN ... 1889 { EDITH C. TOMLIN ... W. E. SHARP Coleoptera. \ Diptera and Hymenoptera (Terebrantia.) \ Coleoptera. Land and Fresh-Water Shells.

1890-ALFRED J. NIXON IO 1892-W. E. SHARP Coleoptera.

1896-ALFRED NEWSTEAD &5 5s. Hydradephaga (Water Beetles) and Life Histories of Insects.

1897—ALFRED NEWSTEAD £5 5s. Life Histories of Insects.

SOCIETIES ASSOCIATED,

WITH WHICH THE SOCIETY EXCHANGES PUBLICATIONS.

Academia Nacional de Ciencias de la Republica Argentina, Cordoba.

Barrow Naturalists' Field Club.

Brighton and Sussex Natural History Society.

Bristol Naturalists' Society.

British Association (Corresponding Society's Committee).
British Museum (Natural History), Cromwell Road,
London, S.W.

Burnley Literary and Scientific Club.

Cardiff Naturalists' Society.

Cassel Society of Natural Science.

Dudley and Midland Geological and Scientific Society and Field Club.

Epping Forest and County of Essex Naturalists' Field Club.

Glasgow Natural History Society.

Hertfordshire Natural History Society and Field Club.

Huddersfield Naturalists' Society.

La Société d'Histoire Naturelle de St. Wladimir á Kiew, Russie.

Leeds Naturalists' Club.

Liverpool Geological Society.

Liverpool Geological Association.

Liverpool Literary and Philosophical Society.

Liverpool Microscopical Society. Liverpool Naturalists' Field Club.

Liverpool Science Students' Association.

Manchester Field Naturalists' Society.

Manchester Geological Society. Manchester Microscopical Society. Menai Society of Natural Science.

Northampton Natural History and Field Club.

North Staffordshire Naturalists' Field Club and Archæological Society.

Norwich Science Gossip Club. Nottingham Naturalists' Society.

Patent Office Library, 25, Southampton Buildings, Chancery Lane, London, W.C.

Postal Microscopical Society. Quekett Microscopical Society.

Smithsonian Institution, Washington, D.C.

The Missouri Botanical Garden, St. Louis, U.S.A.

United States Geological Survey. Vatican Observatory, Rome.

Vienna Natural History Museum.

Wigan Literary and Scientific Society. Yorkshire Naturalists' Union, Leeds.

HONORARY MEMBERS.

Those marked (*) have read or contributed Papers at the Society's Meetings.

	Ardmore, Parkstone, Dorset
Allman, Prof., F.R.S.	Observatory, Cambridge
Dall Sin Robert S., F. B. D	.39, Linden Grove, Nunhead, London,
Barrett, Chas. G., Esq., F.E.S.	.39, Innaen Groce, It annount, I
Darrow, Charter, 1,	S.E.
Candolle, Mons. Casimir De	.Geneva
Connizaro Prof.	Rome South Ken-
*Carruthers, W., Esq., F.R.S.	The British Museum, South Ken-
Carruchers, W., 2017,	sington, London, S.W.
Credner, Dr. Hermann	Leipzic
*Dawkins, Prof. W. Boyd, F.R.S.	Woodhurst, Wilmslow road, Fallow-
*Dawkins, Froi. W. Doyd, 11110	Lald Manchester
T Fog	on Conil street, Greenheus, Manchester
*Grindon, Leo. H., Esq	Hendon Grove, Hendon, London,
*Hicks, H., Esq., F.R.S	N. W.
TOOT FRS	The Camp. Sunningdale, Ascot
Hooker, Sir J. D., K.C.S.I., F.R.S.	Trainity College, Camprage
*Hughes, Prof. T. McKenny, F.R.S	on Amundel Gardens, London, W.
*Unil Prof E. B. S	Royal College of Science. South Ken-
*Judd, Prof. J. W., F.R.S	sington London, S. W.
	28, Chester Square, London, S. W.
Kelvin, The Right Hon. Lord, F.R.S	Dawn Famborough Kent
*I ubbook Sir John, Bart., M.F., F.IV.	209, Edge Lane, Liverpool, E.
	The Rectory, Houghton-le-Spring,
Norman, Rev. Canon, F.R.S.	R.S.O., Co. Durham
Oxford, The Lord Bishop of	The Palace, Cuddesdon, Oxford
*Rae, E., Esq., F.S.A.	Court Loage, Burkenned
Renard, The Abbé	Curator of the Royal Museum of
	Natural History, Brussels
Röntgen, Prof. W. K.	Würzburg
Roscoe, Sir Henry E., F.R.S.	10, Bramham Garden, London, S. W.
*Rudler, F. W., Esq., F.G.S.	Museum of Practical Geology, Jer-
*Rudier, r. w., Esq., r.	mun street, London, S. W.
Sanderson, Dr. Burden, F.R.S	64. Banbury road, Oxford
*Sorby, Dr., F.R.S.	Proomfield Shetheld
*Sorby, Dr., F.R.S.	
*Sorby, Dr., F.R.S. *Vize, Rev. J. E., M.A. Wallace, Dr. A. Russell, F.R.S.	Parkstone, Dorset
Wallace, Dr. A. Russell, F. R. S.	
CORRECTONDIA	TO MEMBERS.

CORRESPONDING MEMBERS.

	Bidston Lighthouse, Birkenhead
Askew, Mr. Jas. H.	
Descriptor The Hon. Mrs. Lawrence	
Cooke Col. B. G. Davies	Ded Consequences Roandon
Coward Mr T. A	
Day Mr George	1 (6) / 8 DOTTO Z N TY
Griffith, Mr. J. E., F.L.S., F.R.A.S.	Vronheulog, Upper Bangor, N. W
Nicholson, Mr. A. C., F.G.S.	Bronderw, Oswestry
Nicholson, Mr. A. C., F.G.S.	Birdham School, Chichester
Nixon, Mr. A. J.	Romiley, near Stockport
Oldham, Mr. C	Itomeney, near service
*Reade Mr. Oswald A	Kingsley, Alton, Hants
*Rowston, Mr. R	A ingstey, Attor, 11th
*Ruddy, Mr. Thos	Palé, Corwen
Russell, Dr	Colwyn Bay
Tomlin, Mr. J. R. le B., B.A.	Thorpe villa, Liverpool road
Tomin, Mr. J. R. le D., Ditt	Heywood, Tenby
Walker, Mr. Fred	Tittoreter
*Wilkins, Mr. T. S.	H.M. Inspector of Mines, Bangor
Williams, Mr. G. J., F.G.S.	

NOTICE.

THE ANNUAL SUBSCRIPTIONS are due on the 1st of May in each year. Members who have not paid for the present year are respectfully requested to forward the amount (Five Shillings) to the Hon. Treasurer, Mr. JOHN SIMON, Chemist, 4, Eastgate Row.

To prevent a recurrence of a frequent misunderstanding, Members are reminded that their Names are retained on the Society's Books, and their Subscriptions considered due, until notice has been given to the contrary according to Rule 8.

LIST OF MEMBERS.

Those marked (*) have read or contributed Papers at the Society's Meetings.

Acton, Mrs.	Grove road, Wrexham
Adair, Major-General	. 7 Stanley place
Adams, Mr. Beresford	
Adams, Mrs	. ,, ,,
Adams, Mr. Geo. F	. Ashbourne, Victoria road
Adams, Mr. J. F	. 29B West Cliff, Preston
Ainsworth, Miss F	.4 Nicholas street
*Allen, Mr. Percy K	.22 Lorne street
Appleton, Mr. John	
Archer, Mr. W. E.	
*Arkle, Mr. J	Diocesan School George street
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Avery, Mil. Geo	. 10wn 11an
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Baillie, Mr. Edmund	. Woodbine, Opton
*Bairstow, Mr. J., F.C.S	Purlow Ougan's nark
Bairstow, Mrs.	·
Baker, Miss	. 2 Grey mars
Ballance, Mr. W.	
*Ballard, Mr. E. G., A.R.S.M.	
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Barbour, Mr. Geo., J.P	
Barbour, Mrs	
Barker, Mr. A	.47 Parkgate road
Barker, Mr. R. Longueville	.8 Eaton road
Barnes, Mr. N. F	Eaton Gardens, Chester
Barnes, Rev. F., B.A	. Hope Villa, Raymond street
Barnsley, Mrs.	. Tattenhall, Chester
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Barrow, Miss The Infirmary
Barton, Mrs
Bassett, Miss C. E
Bax, Mr. F. B. Hollsde
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Beech, Mr. A 5 Lightfoot street
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Best, Rev. J. D., M.A. Corville, Liverpool road Birch, Mr. H. J. Corville, Liverpool road 18 Upper Northgate street
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Birch, Miss
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Bonnalie, Mrs, Bowers, Mr. H. R , J.P 2 Richmond place
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D Mice. 25 Liverpool road
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Box, Mr. Henry
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Brassey, Mrs
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Bullin, Mr. F., J.P., L.D.S., R.C.S 20 111020145
Bullin, Mrs ""
Bullin, Mrs
Dull Mr H F
Bull, Mrs
Bull, Mrs

D M. T. C	TTO Foregote street
Burrell, Mr. T. G	
Burrows, Mr. R	
Burton, Miss	
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Butlin, Colonel	
Butlin, Mrs	. ,,
Caldecott, Miss C. G	. 19 Pepper street
Campbell, Mrs. Pitcairn	. Vicar's Cross, Chester
Campbell, Miss Pitcairn Campbell, Mr. A. D. Pitcairn	9 91 99
Campbell, Mr. A. D. Pitcairn	11 11
Carleton, Capt.	.84 Watergate flags
Carr. The Hon. Mrs.	. Richmond Lodge, Boughton
Carr, The Hon. Mrs. Carson, Miss L. N. A.	Bryn Estyn, Hough green
Carson Miss C. K. I.)
Carson, Miss C. K. L Carter, Mr. T	Chemist Roughton
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Challinor, Mr. R	Wemater Haala Charter
Chalton, Mr. T. W.	. Wynstay, Hooie, Chester
Chalton, Mrs Chapman, Mr. F. W.	, , , , , , , , , , , , , , , , , , ,
Chapman, Mr. F. W.	. 42 Tarvin road
*Chester, The Right Rev. The Lor Bishop of	rd The Palace, Dee Side
Bishop of	1 2110 2 211000, 200 5100
Clark, Mr. Sidney	. Upton Villa
Clarke, Miss Sybill	. Stanley House
Clarke, Mr. John	. Pasadena, Liverpool road
Clarke, Mr. W. J	. The Beeches, Upton park
Clemence, Mr. S	2 Chichester street
Clemence, Mr. Thos	
Clough Miss	Ashton House, New Crane street
Clough, Mr. G. F.	2 Hough green
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Cockrill, Mr. C. P.	Chester road Saltney
Coolemil Mrs	Chester road, Sarthey
Cockrill, Mrs	** ;; ;;
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Coe, Mr. Henry J	, 4 Bold terrace
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Cooke, Mr. J. H.	
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Coppack, Miss Nellie	,,
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Cummings, Miss	King's buildings
g	
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Davies, Miss Heimetta	Grancis street
Davies, Mr. E. Henry	19 Francis street
Davies, Mr. Joseph	Parr's Bank, Limited, Chester
Davies, Mr. John	Parr's Bank, Limited, Chester
Davies, Mr. J. P.	75 Crane street
Davies, Miss	St. Michael's School
Davies, Rev. Clement	The Vicarage, Khosesmor, Holywell
Davies, Mr. W. L	6 Abbey green
Davies, Mrs	* * 22 : 21
Davies, Mrs	Ivy Cottage, Love street
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Davies, Mr. P. MThe Castle
Davison, Mr. HerbertQueen's park
Davison, Mrs,
Davison, Mrs
Day, Mrs
Delany, Mr. John Zorne street (South)
Delany, Mrs, ,, ,,
Delany, Mrs
Denson, Mrs
Denson, Miss Adelaide, ", ", ", ", ", ", ", ", ", ", ", ", ",
Denson, Mr. J. Lyon, ,, ,,
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Dickson, Mr. J. H Upton House, Chester
Dickson, Miss
Dickson, Mr. S. J. R Mayfield House, Hoole
Dickson, Mrs. W. AlfredNewton Villa
Dickson, Mr. Guy Tritton ,,,, Digby, Miss
Digby, Miss 2 Grey friars
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Dobie, Miss Mildred,
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Dobie, Dr. Herbert
Dobie, Mrs,
Dobie, Mr. Douglas51 Parkgate road
Dod, Rev. C. Wolley, M.A., J.P. Edge Hall, Malpas
Dod, Miss Wolley, ,,
Dodd, Mr. W143 St. Anne street
Dodd, Mr. John
Donne, Mrs 6 Chichester street
Donne, Miss, ,,
Dowdall, LieutCol. A. PCurzon park
Dowdall, Miss A , , , ,
Dowdall, Miss A
Ducker, Mr. P. J George street
Duckworth, Mr. Henry, F.L.S., F.G.SLiverpool road Duckworth, Mr. Winefryd Lawrence H., M.A Jesus' College, Cambridge
Duckworth, Mr. Wineiryd Lawrence H., M.A Jesus' College, Cambridge
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Dutton, Mrs. G. W
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Dutton, Miss M
Dutton, Mr. J. Rowe The Willows, Mollington
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Edwards, Mr. F. G., M.R.C.V.S5 Newgate street
Edwards, Mr. J
Edwardes, Miss Kate36 Sealand road
Eggers, Miss
Elliott, Dr. John, B.S., B.Sc 24 Nicholas street
Elliott, Miss
Frack Mr C R 15 Hough green
Enock, Mrs, ,, ,,
Enock, Miss,
Enock, Miss, ,, Evans-Lloyd, Col., J.PStanley House

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Evans, Mr. Geo. H	The Limes, Lumley road
Ewing, Mr. C. A	3 Brookside villas, Flookersbrook
Fairlie, Mr. W. E	Vicey's Cross:
Fairlie Mas	Vicar's Closs
Fairlie, Mrs. Farmer, Mr. Richard	26 Liverpool road
Farrimond, Mr. F. T.	Suppreide Boughton'
Farmond, Mr. Can I ca	Oncen's park
Forguean Mr W	Queen's park The Cairn, Liverpool road ynne, M.AOld Northgate House
Efoulles His Honour Ludge W	when M A Old Northwate House
Ffoulkes Mr I Wynne	yune, M.AOld Northgate House
Ffoulkes, Mr. J. Wynne Ffoulkes, Mr. Thomas B., Junr.	8 Rurlington road Inswich
Ffoulkes, Mr. Geo. B	If Chichester street
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Firman Rev Sentimus	44 Great Mersey street, Liverpool
Fish, Mrs.	Arnold House Parkgate road
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Fisher, Rev. O. P.	.74 Rouverie street
Fleet. Mr. H	35 Tarvin road
Fleet, Mr. H*Fletcher, Mr. P. H	. Woodbrae. Curzon park
Fletcher, Miss	
Fluitt, Miss	.42 Upper Northgate street
Footner, Mrs.	. Dee banks
*Francis, Mr. F. E., B.Sc., Ph.D.	Kilmorev park, Hoole
Fraser, Mr. A. R	Rowton
Frater, Mr. Jas	.Stone Villa, Stone Bridge
Frater, Mrs.	,
Frater, Mrs Frost, Sir Thomas G., J.P	. Redcliff, Queen's park
Frost, Mr. J. G., J.P.	, ~ ,
Frost, Mr. J. G., J.P	Boughton Hall
Frost, Mrs. J. M., J.P.	: 11 11
Frost, Mr. J. M., J.P.	.Dee Lodge
Frost, Mrs	* 22 21
Frost, Mrs Gibbons	Richmond Hill
Frost, Mrs	. 57 59
Gardner, Mr. W. A	, Rediand House, Hough green
Gardner, Miss	· 1° ;; ;; ;;
Cardner, Mr. E	Foton Charter
Garland, Mr. Jas	The Pastery Christleton
Garnett, Mrs	an Hamilton street Hoole
Garside, Miss Ethel	Ruckley griz Checter
Gibson Miss	Crops street
Gibson Mr John	.5 Crane street . Wisbeach House, Glan Aber park . Yorkville, Boughton . Egerton Villa, Liverpool road
Giffen Mr T T M FRCS	Vorkville Roughton
Gilbert Mr Leonard IP	Egerton Villa Livernool road
Gilbert, Mr. Egerton	1º Faton road
Gilbert Mrs	. I Daton Total
Gilbert, Mrs	Gowymede, Vicar's Cross
Gilos Mys	
Glascodyne, Miss	. II Cambrian view
Golder, Mr. S.	AI Liverpool road
Golder, Mr. S	.34 Eaton road
*Goodman, Mr. A. E	. Oakdene. Tarvin road
Goodman, Mrs	• ,, ,,
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Goodhart, Mrs. E. S	o6 Watergate flags	
Grandidge Mrs	The Grange Flookershrook	
Grandidge, Mrs. *Granger, Mr. F. M., M.R.C.S.,	L.R.C.P. 18 Nicholas street	
Grantham, Rev. H.	S Mary's Rectory	
Gray, Miss	A Lorne street	
Greenhouse, Mr. Chas	T Evereley nork	
Grain Mrs	5 Victoria pathway, Queen's park	
Griffith, Mr. G. R.	Victoria patriway, Queen's park	
Griffith, Mr. G. B.	22 Ouean street	
Griffiths, Miss	2 Holly Bank Queen's park	
Griffithe Mr John	2 Hony Dank, Queen's park	
Griffiths, Mr. John *Griffiths, Rev. T. T., M.A Grindley, Mr. J.	•• "	
Grindley Mr. T	Tractacta street	
Gunton Mice	Dimmarchald	
Gunton, Miss	Xiiiiiicisiiciu	
Haddacks, Mr. C. R	6 Ash grove	
Haines, Mr. F. H.	. IOI Eastgate street	
*Hall Mr I H A	Montroce House Hough green	
Hall Mrs.	Staunton House, near Coleford, Glouceste	
Hall Miss Cecile	** ** ** **	
Hall Miss Josephine	,,	
Hamel Miss	Staunton House near Coleford Glouceste	200
Hamilton Mr A MRCS	16 White friers	
Hamilton Mrc	10 White mais	
Hamilton, Mrs	Hallyn road Flookersbrook	
Hardy Mr I F	The Plus Cost School	
Hardy, Mr. J. E. Harris, Mr. T.	Dea Hills pork	
Harris Mrs	Dee Tims park	
Harrison, Mrs. Harrison, Mr. N. Harrison, Mr. N.	ro Chich anton atmost	
Harrison, Miss	13 Chichester street	
	Highheid, Ulirzon Dark	
Transier Mr.	. (1218 mora) Garage Paris	
Harrison, Mrs.	· · · · · · · · · · · · · · · · · · ·	
Harrison, Mrs. Haswell, Mr. G. H.	Queen's park	
Harrison, Mrs. Haswell, Mr. G. H. Haswell, Mrs.	Queen's park	
Harrison, Mrs. Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss	Queen's park	
Harrison, Mrs. Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss Henderson, Mr. J. E.	Queen's park 3 Cheyney road 19 Pathway, Queen's park	
Haswell, Mrs. G. H. Haswell, Mrs. Heeley, Miss Henderson, Mr. J. E. Henderson, Mr. J. E.	Queen's park "" 3 Cheyney road 19 Pathway, Queen's park The Hollies I ivernool road	
Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss Henderson, Mr. J. E. Henshaw, Mr. T. Henshaw, Miss Edith F.	Queen's park3 Cheyney road19 Pathway, Queen's parkThe Hollies, Liverpool road	
Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss Henderson, Mr. J. E. Henshaw, Mr. T. Henshaw, Miss Edith F.	Queen's park3 Cheyney road19 Pathway, Queen's parkThe Hollies, Liverpool road	
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Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss Henderson, Mr. J. E. Henshaw, Mr. T. Henshaw, Miss Edith E. Henshaw, Miss Florence M.	Queen's park3 Cheyney.road19 Pathway, Queen's parkThe Hollies, Liverpool road"""""	
Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss Henderson, Mr. J. E. Henshaw, Mr. T. Henshaw, Miss Edith E. Henshaw, Miss Florence M. Heppel, Miss Heppel, Mrs. Hetherington, Mr. T.	Queen's park3 Cheyney road19 Pathway, Queen's parkThe Hollies, Liverpool road8 Hough greenWindsor Lodge, Mickle TraffordTelegraph Department, Post Office	
Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss Henderson, Mr. J. E. Henshaw, Mr. T. Henshaw, Miss Edith E. Henshaw, Miss Florence M. Heppel, Miss Heppel, Mrs. Hetherington, Mr. T. Hewitt, Mr. David L.	Queen's park	
Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss Henderson, Mr. J. E. Henshaw, Mr. T. Henshaw, Miss Edith E. Henshaw, Miss Florence M. Heppel, Miss Heppel, Mrs. Hetherington, Mr. T. Hewitt, Mr. David L. Hickman, Mr. F. F.	Queen's park	
Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss Henderson, Mr. J. E. Henshaw, Mr. T. Henshaw, Miss Edith E. Henshaw, Miss Florence M. Heppel, Miss Heppel, Mrs. Hetherington, Mr. T. Hewitt, Mr. David L. Hickman, Mr. F. F.	"Queen's park" "3 Cheyney road "19 Pathway, Queen's park "The Hollies, Liverpool road """ "8 Hough green "Windsor Lodge, Mickle Trafford "Telegraph Department, Post Office "Abbey House, Northgate street "8 Northgate street "The Manor, Overleigh	
Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss Henderson, Mr. J. E. Henshaw, Mr. T. Henshaw, Miss Edith E. Henshaw, Miss Florence M. Heppel, Miss Heppel, Mrs. Hetherington, Mr. T. Hewitt, Mr. David L. Hickman, Mr. F. F. Higgins, Miss Eva	"Queen's park "" "3 Cheyney road "19 Pathway, Queen's park "The Hollies, Liverpool road """ "8 Hough green "Windsor Lodge, Mickle Trafford Telegraph Department, Post Office Abbey House, Northgate street 8 Northgate street The Manor, Overleigh	
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Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss Henderson, Mr. J. E. Henshaw, Mr. T. Henshaw, Miss Edith E. Henshaw, Miss Florence M. Heppel, Miss Heppel, Mrs. Hetherington, Mr. T. Hewitt, Mr. David L. Hickman, Mr. F. F. Higgins, Miss Eva Higgins, Miss Swa Higgins, Miss Millie	"Queen's park " "3 Cheyney road "19 Pathway, Queen's park "The Hollies, Liverpool road " "8 Hough green "Windsor Lodge, Mickle Trafford Telegraph Department, Post Office Abbey House, Northgate street "8 Northgate street The Manor, Overleigh "1 South view, Eaton road	
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Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss Henderson, Mr. J. E. Henshaw, Mrs. T. Henshaw, Miss Edith E. Henshaw, Miss Florence M. Heppel, Mrs. Hetherington, Mr. T. Hewitt, Mr. David L. Hickman, Mr. F. F. Higgins, Miss Eva Higgins, Miss Eva Higgins, Miss Willie Higginson, Mr. T. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hincks, Mr. H. Hilton, Mrs.	"Queen's park "" "" "" "" "" "" "" "" "" "" "" "" ""	
Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss Henderson, Mr. J. E. Henshaw, Mrs. T. Henshaw, Miss Edith E. Henshaw, Miss Florence M. Heppel, Mrs. Hetherington, Mr. T. Hewitt, Mr. David L. Hickman, Mr. F. F. Higgins, Miss Eva Higgins, Miss Eva Higgins, Miss Willie Higginson, Mr. T. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hincks, Mr. H. Hilton, Mrs.	"Queen's park "" "" "" "" "" "" "" "" "" "" "" "" ""	
Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss Henderson, Mr. J. E. Henshaw, Mrs. T. Henshaw, Miss Edith E. Henshaw, Miss Florence M. Heppel, Mrs. Hetherington, Mr. T. Hewitt, Mr. David L. Hickman, Mr. F. F. Higgins, Miss Eva Higgins, Miss Eva Higgins, Miss Willie Higginson, Mr. T. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hincks, Mr. H. Hilton, Mrs.	"Queen's park "" "" "" "" "" "" "" "" "" "" "" "" ""	
Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss Henderson, Mr. J. E. Henshaw, Mrs. T. Henshaw, Miss Edith E. Henshaw, Miss Florence M. Heppel, Mrs. Hetherington, Mr. T. Hewitt, Mr. David L. Hickman, Mr. F. F. Higgins, Miss Eva Higgins, Miss Eva Higgins, Miss Willie Higginson, Mr. T. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hignett, Mrs. Hincks, Mr. H. Hilton, Mrs.	"Queen's park """ """ """ """ """ """ """ """ """ "	
Haswell, Mr. G. H. Haswell, Mrs. Heeley, Miss. Henderson, Mr. J. E. Henshaw, Mr. T. Henshaw, Miss Edith E. Henshaw, Miss Florence M. Heppel, Miss. Heppel, Mrs. Hetherington, Mr. T. Hewitt, Mr. David L. Hickman, Mr. F. F. Higgins, Miss Eva Higgins, Miss Mille Higginson, Mr. T. Hignett, Mrs. Hignett, Mrs. T. H. Hignett, Mrs. T. H. Hignett, Mrs. T. H. Hignett, Mrs. Hincks, Mr. H. T. Hobday, Mr. J.	"Queen's park "" "" "" "" "" "" "" "" "" "" "" "" ""	
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Holme, Mr. S. H	Downswood, Liverpool road
Holme, Mrs	
Holme, Rev. Canon, M.A	Great Budworth, Northwich
Holmes, Mr. J. G	Belmont, Curzon park
Hope, Mr. H. G., M.A.	Sealand view, Canal street
Hopkins, Mr. T., M.B.	oo watergate street
Hopkins, Mrs	(3T - 1)
Hopley, Mr. J. H.	o Northgate street
Hopton, Mrs	o Cheyney road
Hostage Mr George B	28 Feton road
Hostage, Mr. George B Hostage, Mrs	20 Eaton Toad
Hostage, Miss	22 Eaton road
Howcon Rev I F M A	Egerton House, Upper Northgate street
Howson Miss	Egetton House, Opper Horingate street
Howson, Miss	The Vicarage Crewe
Hudson, Mrs. R. S.	Bache Hall Chester
Hughes, Mrs. McKenny	18 Hills road, Cambridge
Hughes, Mrs	Uffington House, Dee Hills
Hughes, Mr. John	47 Victoria street, Westminster, London
Hull, Mr. G. S. N	10 Gladstone avenue
Humberston Miss	Newton Hall, Chester
Humberston, Miss	9 and 11 Old Bank Buildings
Hunter, Mr. Jas	Maisonette, Hough green
Hunter, Mrs	
Hunter, Mrs	11 11
Huskie, Mr. J., M.B., C.M	Dorchester House, Boughton
Hutchings, Mr. J. H., Senr	47 White friars
Hutchings, Mr. J. Hanmer	20 Bouverie street
Hutton, Rev. E. A., M.A	Hargrave Vicarage, Chester
Hutton, Rev. E. A., M.A Hyde, Deaconess Violet	Hargrave Vicarage, Chester Diocesan Deaconess Institution
Hyde, Deaconess Violet	Diocesan Deaconess Institution
Hyde, Deaconess Violet	., Diocesan Deaconess Institution Belle Vue. 36 Hough green
Hyde, Deaconess Violet Jack, Mr. A. S Jackson, Mr. Roger, J.P	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green
Hyde, Deaconess Violet Jack, Mr. A. S Jackson, Mr. Roger, J.P	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green
Hyde, Deaconess Violet Jack, Mr. A. S Jackson, Mr. Roger, J.P Jackson, Miss Jayne, Mr. Ronald G	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green The Palace, Dee side
Hyde, Deaconess Violet Jack, Mr. A. S Jackson, Mr. Roger, J.P Jackson, Miss Jayne, Mr. Ronald G	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green The Palace, Dee side
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. K. *Jebb, Mr. G. R., C.E.	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green The Palace, Dee side Fairyfield, Great Bar, Birmingham
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. K. *Jebb, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green The Palace, Dee side Fairyfield, Great Bar, Birmingham R.C.P., M.R.C.S13 Lorne street (North)
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. K. Jebb, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Major	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green The Palace, Dee side Fairyfield, Great Bar, Birmingham R.C.P., M.R.C.S13 Lorne street (North) 6 Walpole street 9 Upper Northgate street
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. K. *Jebb, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Major Johnson, Mrs.	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green The Palace, Dee side Fairyfield, Great Bar, Birmingham R.C.P., M.R.C.S13 Lorne street (North) 6 Walpole street 9 Upper Northgate street 11 Bertram road, Sefton park, Liverpool
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. K. *Jebb, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Major Johnson, Mrs.	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green The Palace, Dee side Fairyfield, Great Bar, Birmingham R.C.P., M.R.C.S13 Lorne street (North) 6 Walpole street 9 Upper Northgate street 11 Bertram road, Sefton park, Liverpool
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. K. Jebb, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Major Johnson, Mrs. Johnson, Mr. Johnson, Mr.	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green The Palace, Dee side Fairyfield, Great Bar, Birmingham R.C.P., M.R.C.S13 Lorne street (North) 6 Walpole street 9 Upper Northgate street 11 Bertram road, Sefton park, Liverpool St. Paul's School, Boughton 9 York villas, Lorne street
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. K. Jebb, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Major Johnson, Mrs. Johnson, Mr. Johnson, Mr. Johnson, Mr. Johnson, Mr. Johnson, Mr. Johnson, Mr. Johnson, Mr. M., L.D.S,I. Lohnson, Mr. Thomas C.	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green 7 Hough green The Palace, Dee side Fairyfield, Great Bar, Birmingham R.C.P., M.R.C.S13 Lorne street (North) 6 Walpole street 9 Upper Northgate street 11 Bertram road, Sefton park, Liverpool St. Paul's School, Boughton 9 York villas, Lorne street Bod Asaph, Chichester street
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. K. *Jebb, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Major Johnson, Mr. *Johnson, Mr. *Johnson, Mr. *Johnson, Mr. M., L.D.S.I. Johnson, Mr. Thomas C. Johnson, Mr. Thomas C. Johnson, Mr. Alfred	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green The Palace, Dee side Fairyfield, Great Bar, Birmingham R.C.P., M.R.C.S13 Lorne street (North) 6 Walpole street 9 Upper Northgate street 11 Bertram road, Sefton park, Liverpool St. Paul's School, Boughton 9 York villas, Lorne street Bod Asaph, Chichester street Norton Villa, Upton park
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. Ronald G. Jayne, Mr. K. Jebb, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Major Johnson, Mrs. Johnson, Mr. Johnson, Mr. Johnson, Mr. Johnson, Mr. Johnson, Mr. Thomas C. Johnson, Mr. Alfred. Johnson, Mr. Alfred.	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green The Palace, Dee side Fairyned, Great Bar, Birmingham R.C.P., M.R.C.S13 Lorne street (North) 6 Walpole street 9 Upper Northgate street 11 Bertram road, Sefton park, Liverpool St. Paul's School, Boughton 9 York villas, Lorne street Bod Asaph, Chichester street Norton Villa, Upton park St. John's road, Queen's park
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. Ronald G. Jayne, Mr. G. R., C.E. Jephcott, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Major Johnson, Mrs. Johnson, Mr. Johnson, Mr. M., L.D.S.I. Johnson, Mr. Alfred Johnson, Mr. Alfred Johnson, Miss Jolliffe, Mr. H, D.	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green 27 Hough green The Palace, Dee side Fairyneld, Great Bar, Birmingham R.C.P., M.R.C.S 13 Lorne street (North) 6 Walpole street 10 Upper Northgate street 11 Bertram road, Sefton park, Liverpool St. Paul's School, Boughton 9 York villas, Lorne street Bod Asaph, Chichester street Norton Villa, Upton park St. John's road, Queen's park Holly bank, Queen's park
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. K. *Jebb, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Major Johnson, Mr. *Johnson, Mr. *Johnson, Mr. *Johnson, Mr. M., L.D.S.I. Johnson, Mr. Thomas C. Johnson, Mr. Alfred. Johnson, Mr. Alfred. Johnson, Miss Jolliffe, Mr. H, D. Jones, Miss	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green The Palace, Dee side Fairyfield, Great Bar, Birmingham R.C.P., M.R.C.S 13 Lorne street (North) 6 Walpole street 9 Upper Northgate street 11 Bertram road, Sefton park, Liverpool St. Paul's School, Boughton 9 York villas, Lorne street Bod Asaph, Chichester street Norton Villa, Upton park St. John's road, Queen's park Holly bank, Queen's park The Northgate
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. Ronald G. Jayne, Mr. K. Jebb, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Major Johnson, Mrs. Johnson, Mr. Johnson, Mr. M., L.D.S.I. Johnson, Mr. Thomas C. Johnson, Mr. Alfred Johnson, Mr. Alfred Johnson, Mr. H. D. Jones, Miss Jolliffe, Mr. H. D. Jones, Miss. Jones, Mrs. Edward	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green 26 Hough green The Palace, Dee side Fairyned, Great Bar, Birmingham R.C.P., M.R.C.S13 Lorne street (North) 6 Walpole street 9 Upper Northgate street 11 Bertram road, Sefton park, Liverpool St. Paul's School, Boughton 9 York villas, Lorne street Bod Asaph, Chichester street Norton Villa, Upton park St. John's road, Queen's park Holly bank, Queen's park The Northgate 1 Derby place, Hoole
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Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. S. *Jebb, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Major Johnson, Mr. *Johnson, Mr. *Johnson, Mr. M., L.D.S.I. Johnson, Mr. M., L.D.S.I. Johnson, Mr. Homas C. Johnson, Mr. Alfred. Johnson, Miss Jolliffe, Mr. H, D. Jones, Miss Jones, Mrs. Edward Jones, Mr. Edward Jones, Mr. J. Mr. Jones, Mr. Jones, Mr. Jones, Mr. J. Mr. Jones, Mr. J. Mr. J. J. Jones, Mr. J.	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green The Palace, Dee side Fairyfield, Great Bar, Birmingham R.C.P., M.R.C.S 13 Lorne street (North) 6 Walpole street 9 Upper Northgate street 11 Bertram road, Sefton park, Liverpool St. Paul's School, Boughton 9 York villas, Lorne street Bod Asaph, Chichester street Norton Villa, Upton park St. John's road, Queen's park Holly bank, Queen's park The Northgate 1 Derby place, Hoole 5 Lorne street (North)
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Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. Ronald G. Jayne, Mr. G. R., C.E. Jebbo, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Major Johnson, Mr. Johnson, Mr. Johnson, Mr. Johnson, Mr. Johnson, Mr. H., L.D.S.I. Johnson, Mr. Thomas C. Johnson, Mr. Alfred Johnson, Mr. H. D. Jones, Mr. H. D. Jones, Mrs. Edward Jones, Mrs. Edward Jones, Mr. David Brellisford Jones, Mr. David Brellisford Jones, Mr. David Brellisford Jones, Mr. David C. Joyce, Rev. G. C., M.A.	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green 26 Hough green The Palace, Dee side Fairyfield, Great Bar, Birmingham R.C.P., M.R.C.S 13 Lorne street (North) 6 Walpole street 9 Upper Northgate street 11 Bertram road, Sefton park, Liverpool St. Paul's School, Boughton 9 Vork villas, Lorne street Bod Asaph, Chichester street Norton Villa, Upton park St. John's road, Queen's park Holly bank, Queen's park The Northgate 1 Derby place, Hoole 5 Lorne street (North) 11 St. Anne street 26 Duke street St. Deiniol's Hostel, Hawarden
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. K. Jebb, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Major Johnson, Mr. Johnson, Mr. Johnson, Mr. M., L.D.S.I. Johnson, Mr. Alfred Johnson, Mr. Alfred Johnson, Mr. Alfred Johnson, Mr. Edward Jones, Mr. Dones, Mr. M. Jones, Mr. W. C. Joyce, Rev. G. C., M.A. Kelsall, Miss H.	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green 26 Hough green The Palace, Dee side Fairyfield, Great Bar, Birmingham R.C.P., M.R.C.S13 Lorne street (North) 6 Walpole street 9 Upper Northgate street 11 Bertram road, Sefton park, Liverpool St. Paul's School, Boughton 9 York villas, Lorne street Bod Asaph, Chichester street Norton Villa, Upton park St. John's road, Queen's park Holly bank, Queen's park The Northgate 1 Derby place, Hoole 5 Lorne street (North) 11 St. Anne street 26 Duke street St. Deiniol's Hostel, Hawarden Abbot's court, Liverpool road
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. Ronald G. Jayne, Mr. K. Jebb, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Mr. H. D.S.I. Johnson, Mr. Thomas C. Johnson, Mr. Alfred Johnson, Mr. H. D. Jones, Mr. Johnson, Mr	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green The Palace, Dee side Fairyned, Great Bar, Birmingham R.C.P., M.R.C.S13 Lorne street (North) 6 Walpole street 9 Upper Northgate street 11 Bertram road, Sefton park, Liverpool St. Paul's School, Boughton 9 York villas, Lorne street Norton Villa, Upton park The Northgate Norton Villa, Upton park The Northgate 1 Derby place, Hoole 5 Lorne street (North) 11 St. Anne street 26 Duke street St. Deiniol's Hostel, Hawarden Abbot's court, Liverpool road 59 Bridge street
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. K. Jebb, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Major Johnson, Mr. Johnson, Mr. Johnson, Mr. Johnson, Mr. H. D.S.I. Johnson, Mr. Alfred Johnson, Mr. Alfred Johnson, Mr. H. D. Jones, Mr. F. M. Jones, Mrs. Jones, Mrs. Edward Jones, Mr. David Brellisford Jones, Mr. David Brellisford Jones, Mr. W. C. Joyce, Rev. G. C., M.A. Kelsall, Miss H. Kemp, Mr. George Kenyon, Mr. George	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green The Palace, Dee side Fairyned, Great Bar, Birmingham R.C.P., M.R.C.S 13 Lorne street (North) 6 Walpole street 9 Upper Northgate street 11 Bertram road, Sefton park, Liverpool St. Paul's School, Boughton 9 York villas, Lorne street Bod Asaph, Chichester street Norton Villa, Upton park St. John's road, Queen's park Holly bank, Queen's park The Northgate 1 Derby place, Hoole 5 Lorne street (North) 11 St. Anne street 26 Duke street St. Deiniol's Hostel, Hawarden Abbot's court, Liverpool road 59 Bridge street Flookersbrook
Hyde, Deaconess Violet Jack, Mr. A. S. Jackson, Mr. Roger, J.P. Jackson, Miss Jayne, Mr. Ronald G. Jayne, Mr. Ronald G. Jayne, Mr. K. Jebb, Mr. G. R., C.E. Jephcott, Mr. Charles, M.A., L.I Jepson, Mr. Arthur Johnson, Mr. H. D.S.I. Johnson, Mr. Thomas C. Johnson, Mr. Alfred Johnson, Mr. H. D. Jones, Mr. Johnson, Mr	Diocesan Deaconess Institution Belle Vue, 36 Hough green 26 Hough green 27 Hough green 28 Hough green 29 Hough green 29 Hough green 29 Hough green 29 Lore side 40 Hough green 20 Lore street 30 Lorne street (North) 40 Walpole street 31 Bertram road, Sefton park, Liverpool 51 Lorne Houghton 51 Lorne Houghton 52 Lorne street 30 Lorne street 40 Lorne street 51 Lorne street 52 Lorne street 54 Lorne street 55 Lorne street 54 Lorne street 55 Lorne street 55 Lorne street 56 Lorne street 57 Lorne street 57 Lorne street 58 Lorne street 59 Bridge street 50 Lorne street 50 Bridge street 51 Lorne street 50 Bridge street 51 Lorne street 51 Lorne street 52 Lorne street 54 Lorne street 54 Lorne street 57 Lorne street 57 Lorne street 58 Lorne street 59 Bridge street 50 Lorne st

King, Dr. W. H.	. 26 Nicholas street
King, Mrs.	
*Kingsley, Miss	. 10Walton place, Hansplace, London, S.W.
Knowles, Mr. E. R Kynnersley, Mr. E. M. Sneyd.	. Grosvenor street
Kynnersiey, Mr. E. M. Sheyd .	. Doughton Lodge
Lacy, Mrs.	. Moore Holme, Neston
Lacy, Mrs Laing, Miss S. C	.7 Chester street, Saltney
Lamont, Mr. A.	3 City Walls (West)
Lamont, Mr. A., Junr	. ,, ,,
Lamont, Miss	• , , , , ,
Lanceley, Mr. R. H.	. Victoria road
Latham, Mr. J. S	
Law, Major	. 19 Hough green
Law, Mrs. *Lawrence, Dr. A.	The Asylum Chester
Leader, Miss	5 Raymond street
Leader, Miss Lees, Mr. W., M.R.C.S	.The Bars
Leete, Mrs.	Vicarage road, Hoole
Leete, Mrs	Talbot Hotel
Lewis, Rev. J. S., M.A	.Newtown Rectory, Mont.
Lewis, Miss	
Little, Mr. W. E	.24 Hough green
Little, Mrs. Littler, Miss Lloyd, His Honour Sir Horatio.	. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Littler, Miss	132 Overleigh road, Handbridge
Lloyd, His Honour Sir Horatio.	Stanley place Foologies Hill Chapter
Lloyd, Major Wilford	. Ecclesion Am, Chester
Lloyd, Mrs Lloyd, Mrs. E.	Abbot's mount Liverpool road
Lloyd Miss M. E.	12 Chichester street
Lloyd, Miss M. E. Lloyd, Miss C.	56 Princess street
*Lockwood, Mr. T. M., F.R.I.B.A	. 80 Foregate street
Lockwood, Mrs	.7 Queen's park
Lockwood, Mrs	. 12 Bold terrace
Long, Mrs	.2 Lumley road
*Longbottom, Mr. F. W	. Haslemere, Queen's park
Longbottom, Mrs.	7771
Longrigg, Mr. Robert	. Kumorey park
Lowe, Mr. G. B.	
*Lowe, Miss C. H	• 11 11
*Lowe, Mr. W. F., A.R.S.M., F.I.C., F.C.S.	9 Hough green
Lowe, Mrs	
Lowe, Mr. Jas. F., B.A	Dee Banks
*Lucas, Mr. A. W., F.G.S	.7 Victoria pathway, Queen's park
Lyon, Rev. J., M.A.	.7 Victoria pathway, Queen's park .7 Grey friars
Macdonald, Mr. G. F.	.3 Abbey square
*Macdonald, Mr. G. E *Macdonald, Miss Eva	• 99 99
Maddocks, Mr. Frank	. 10 Penner street
Manley, Mr. H	Aston, Nantwich
Mann, Mr. A., M.B.	. Newgate street
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